PUBLIC HEALTH REPORTS

VOL. 41

DECEMBER 3, 1926

NO. 49

HEALTH STUDIES OF NEGRO CHILDREN

I. INTELLIGENCE STUDIES OF NEGRO CHILDREN IN ATLANTA, GA.

' I. Introduction

By VIRGINIA TAYLOR GRAHAM, Psychologist, United States Public Health Service

During the scholastic year 1925–26 the United States Public Health Service, in cooperation with the Georgia State Board of Health and the Atlanta Board of Education, conducted a survey of the mental and physical status of the children in the negro public schools of Atlanta. The psychological examinations, with which this paper is concerned, were made in five of the elementary negro schools, and include tests—group, individual, or both—of a total of 3,028 children.

In four of the schools, group tests were given to all the grades except the first, that is, to grades 2 to 6, inclusive. As group tests are more unreliable with very young children whose comprehension and cooperation it is somewhat difficult to secure in such circumstances, it was thought best to devote the time to the subjects that promised the most reliable results. Consequently the data on group tests contain only 79 cases of children below grade 2, and these are from two sections of a high first grade in the same school. In the fifth school, as time did not permit the testing of all classes, the group examination was given only to the fifth and sixth grades, in order to increase the number of cases at the higher age levels.

The Otis Group Intelligence Scale 1 was used for all the group testing—the "Primary" form for the first four grades and the "Advance" for grades 5 and 6. The selection of cases for individual examinations was determined chiefly by the Otis test. As many as possible of the children who made low or doubtful scores in this scale were given individual tests; a few other special cases were referred by principals and teachers, and a group of unselected first-graders was studied, these last consisting chiefly of the children who had received physical examinations in connection with the same general survey. The individual examinations consisted of the Standford revision of the Binet-Simon tests 2 supplemented, at the discretion of the examiner, by Kohs Block Design Test, 3 the Lin-

Otis, Arthur A.: Otis Group Intelligence Scale—Manual of Directions for Advanced and Primary Examinations. 1921 revision.

² Terman, Lewis M.: The Measurement of Intelligence. Boston, 1916.

⁴ Kohs, S. C.: Intelligence Measurement. New York, 1923.

coln Hollow Square, and the Healy Construction A. All of the tests were made by the writer.

II. The Group Tests

In order to consider the data in their most objective form, the results are first studied in terms of crude score, that is, the total number of points made on the test. This necessitates the separation of the primary test (first four grades) from the advanced examination (here the fifth and sixth grades). Age designations in this paper always refer to the last birthday. Thus, in the 7-year group are included all children who have passed their seventh but have not reached their eighth birthday, and whose median age would therefore approximate 7 years 6 months.

In the absence of comparable data on white children from this locality, comparison is probably best based on the figures furnished by Otis. His subjects come, he says, "from some 200 cities throughout the country." When the mean scores obtained on the primary examinations of the group studied by age groups 7 to 12, inclusive, are compared with the Otis white norms for the respective mid-year points (see Table 1), yearly increments in score are shown in both cases. They are appreciably larger in the case of the American white norms.

Table 1.—Mean scores of Atlanta negro children on Otis primary examination compared with Otis's norms for American whites

	-11		A	ge		
ed produle a montre autografia	7	8	9	10	n	12
NegroNorm	31 28	36 41	41 54	43 66	47 74	50 79
Difference1	3	-3	-13	-23	-27	-29

¹ Minus sign indicates that the score of negro is lower.

The increments generally decrease with age, and this is relatively more marked in the case of the group here studied. Although the mean score of the 7-year-old negroes is slightly higher than the Otis norm, at every succeeding age level the score falls progressively below the standard.

Table 2 makes a similar comparison in the case of the advanced examination.

⁴ Dearborn, Walter F., Shaw, Edwin A., and Lincoln, Edward A.: A Series of Form Board and Perfermance Tests of Intelligence. Harvard Monographs in Education, Series 1, No. 4, September 1923, pp. 32-33, 56-59.

^{*} Pintner, Rudolf, and Paterson, Donald G.: A Scale of Performance Tests. New York, 1917, pp. 44-53, 122-126.

⁴ Op. cit. p. 54.

⁷ Ibid. p. 71.

Table 2.—Mean scores of Atlanta negro children on Otis advanced examination compared with American white norms

	Age						
	10	11	12	13	14		
Negro	52 61	54 74	59 85	57 95	55 105		
Difference	-9	-20	-26	-38	-50		

Attention should be called to the fact that the relatively few 10-year-old negro children in the fifth and sixth grades—83 cases in comparison with 328 cases in the lower four grades—are obviously superior ones and, hence, do not give a fair measure of racial performance on this particular scale. At the other extreme, the 13 and 14 year olds who have not progressed beyond the sixth grade and whose scores on this test fall below that of the 12-year-olds, are just as obviously not fair representatives of negro achievement at those ages. At ages below 13, where the selection is fair, the racial means of the group studied fall consistently below the white norms, the discrepancy between the two increasing with age.

In fairness to the negro children it should be noted that, while our figures for the negroes are strictly empirical, the Otis norms are partly theoretical, the curves, naturally, are somewhat straightened and points are moved in accordance with a priori considerations. If the actual means are computed from the Otis data * the figures given in Table 3 are obtained for comparison.

When these figures are compared with those in the two preceding tables, the most striking point is that Otis, in preparing his norms, has decidedly readjusted his figures for ages 10, 11, and 12 in the primary examination. The norm he sets is markedly higher than his obtained mean at each of these age levels. His obvious reason for so doing is because his subjects, coming as they do from the first five grades only, do not include any of the brighter children of these ages and so give a mean that is too low. The same point can, of course, be made with respect to the negro subjects, who, in the case of the primary examinations, are not drawn from grades higher than the fourth, and in the case of the advanced examination are confined to grades 5 and 6. The amount of retardation that is characteristic or normal for the races will be referred to later.

Ibid, pp. 76-80.

Table 3.—Comparison of mean scores of Atlanta negroes and of Otis's subjects

					Age			1		
		Prin	ary ex	amina	tions		Advanced nation			
	7	8	9	10	11	12	11	12	13	
NegroWhite	31 31	36 42	41 52	43 59	47 60	50 62	54 75	59 85	57 95	
Difference.	0	-6	-11	-16	-13	-12	-21	-26	-38	

TABLE 4.—Otis lest scores, variabilities, difference from American white PRIMARY EXAMINATIONS, GRADES 1 to 4

	MILL	A	tlanta n	egroes			America	16)	Difference from Ameri- can white			
Age	Num- ber of cases	Mean score	Prob- able error	Stand- ard devia- tion of distri- bution	Probable error	Num- ber of cases	Mean score	Prob- able error	Stand- ard devia- tion of distri- bution	Prob- able error	Differ- ence	Probable error of difference
7	215 335 366 328 215 211	31. 36 35. 56 41. 26 43. 48 46. 92 49. 80	±0.47 ±.41 ±.42 ±.47 ±.57 ±.57	10. 13 11. 05 11. 93 12. 72 12. 46 12. 31	±0.33 ±.29 ±.30 ±.34 ±.41 ±.40	501 537 496 306 127 70	31. 01 42. 45 50. 35 51. 60 50. 02 48. 86	±0.45 ±.44 ±.43 ±.54 ±.89 ±1.17	15. 07 15. 26 14. 31 13. 88 14. 81 14. 89	±0.32 ±.32 ±.31 ±.38 ±.63 ±.83	0.35 -6.89 -9.09 -8.12 -3.10 0.04	±0.6 ±.6 ±.7 ±1.0 ±1.3
7 9	Mail	A	DVANO	ED EX	AMIN	ATION	s, GR	ADES	5 AND	6	la I	
10 11 12 13	83 180 246 222 150	52. 23 54. 22 59. 02 57. 43 55. 47	±1.83 ±1.16 ±1.06 ±1.02 ±1.47	24, 66 23, 03 24, 54 22, 49 26, 62	±1.29 ±.82 ±.75 ±.72 ±1.04	2, 435 4, 186 3, 565 1, 918 842	76. 11 79. 22 77. 92 71. 18 66. 48	±0.35 ±.29 ±.30 ±.35 ±.64	25. 70 27. 58 26. 64 22. 57 23. 42	±0.25 ±.20 ±.21 ±.25 ±.38	-23.88 -25.00 -18.00 -13.75 -11.01	±1.80 ±1.10 ±1.00 ±1.00

For the sake of ultimate fairness, a comparison may be made which probably favors the negro group. That is, for comparison only, those cases of Otis's may be taken which were in the same grades as those to which we gave the respective tests. Table 4, which gives the means and measures of variability for the subjects of this study, also gives the same data for whites who, in the case of the primary examination, are confined to the first four grades and, in the instance of the advanced examination, to the fifth and sixth grades. We are most concerned with the differences and their reliabilities shown in the last three columns. Whereas, of the 1,670 negro children whose scores on the primary examination we are considering, only 79 were in the first grade, there are 662 white first graders in the 2,039 cases we are now using for comparison. The negro means, then, especially at the lower ages, eliminating as they

do the duller children who are in the first grade, are most probably higher than they should be. This comparison gives a slight lead (0.35) at age 7 to the group under study, which, when taken into consideration with its large probable error (± 0.65) , becomes entirely negligible. At all succeeding ages through 11, the Otis group are substantially ahead, regardless of the question of selection, and at age 12 the difference in favor of the negro (0.94) is smaller than its probable error (± 1.30) . The lead of the white children increases through year 9, beyond which age there is evidence that the problem of retardation is affecting their scores much more seriously than it is those of the negroes. The number of cases of white children begins to fall off markedly at year 10, indicating that the majority of children of these ages are further advanced in school.

The data of from which Otis standardized his primary examination has 240 cases of 10-year olds in the fifth grade, in comparison with his 306 cases of lower grading that are now being considered. At 11 years, at which age there are 127 of his cases in the first four grades, there are 135 in the fifth grade, and there are the same number of 12-year olds in the fifth grade in comparison with the 70 more retarded cases. On the other hand, reference to data here presented for negroes (Table 4, column 2) shows that there are 328 10-year olds in the first four grades to 83 in the fifth and sixth, 215 11-year old "primaries" to 180 "advanced," and, for 12-year olds, 211 "primaries" to 246 "advanced." If these two lots of data may be taken as typical, school retardation is more prevalent among the Negroes; the average white child of a given age is more advanced in school than the colored child of the same age; and the retarded colored child is a more normal racial representative than is the retarded white.

Otis's age-grade distribution for the advanced examination ¹⁰ leads to the same conclusion. The number of cases below, coincident with, and above the fifth and sixth grade selection in this study, are as follows:

Age	Grade 4	Grades 5 and 6	Grades 7, 8, 9, 10, 11, and 12	Age	Grade 4	Grades 5 and 6	Grades 7, 8, 9, 10, 11, and 12
10 11 12	1, 972 1, 077 575	2, 435 4, 186 3, 565	38 616 2,508	1314	330 120	1, 918 842	4, 229 4, 345

The conclusion seems fair that, on the primary examination, white children 10 years old and older who have not progressed beyond the fourth grade are too inferior to be used as racial representatives, and on the advanced examination the fifth-sixth grade selection does not give fair white averages beyond year 11. With the negro group

here studied, the age-grade distribution seems to imply that for 11-year olds the primary group is probably the more typical, but that for 12-year olds the advanced group is certainly the more "normal." The results indicate, also, that beyond the latter age the negro subjects still in the elementary schools are inferior members of the race and can not with fairness be used as a basis for comparison. On the advanced test, at 10 and 11 years, where retardation seems to affect neither race—though the negroes at these ages are probably the more accelerated, relatively—the superiority of the white child is attested by differences (23.88 ± 1.86 , 25.00 ± 1.19) which, when referred to their probable errors, are seen to be very large and reliable; the difference at 11 years is somewhat larger and more reliable than that at 10.

Before leaving Table 4 it might be noted that, in all cases, especially before retardation plays a prominent part, the means, when taken into consideration with their probable errors, are seen to be quite distinct and reliable, and that the group variabilities, as measured by the standard deviations of the distribution, are generally greater in the cases of the white children.

Figure 1 pictures the various relationships which have been discussed. It shows that regardless of yearly increments (through age 12) the negro falls progressively below American white norms and below their averages, unless the latter are unduly weighted with retarded cases. Actual deterioration in performance in the case of 13 and 14 year old negroes is not assumed on the basis of present evidence, and those ages are not excluded from the generalizations. In like manner, when the selected American white cases give means that fall below those of preceding years (see dotted line on graph), whereas other data prove that in reality the yearly improvement curve is still advancing (see broken line), the selection that deviates from the trend shown by the more inclusive data must be discounted. Figure 2 pictures the same facts in terms of relative or proportional change rather than of concrete units.

Since, in considering crude or total scores on the Otis test, it is essential to keep distinct the primary and advanced examinations, the number of cases at each age level can be increased—and so the statistical adequacy—if total scores are not used, but "percentile ranks," which are said by Otis " to be comparable in the two examinations. These percentile ranks, of course, presuppose a norm. The child whose score coincides with the norm for his age would have a percentile rank of 50, meaning that in a normal distribution he would excel 50 per cent of the cases and be excelled by 50 per cent. A percentile rank of 10 means that a child excels 10 per cent of children

an

the

the

sev

wh

of his age and is excelled by 90 per cent.

¹¹ Ibid, pp. 52-53.

The appendix gives the complete age and grade distribution, by percentile ranks, of the children of this study. The same data are condensed in Table 5, which emphasizes the clinical groupings, giving the number and the per cent of cases of each age which fall within each of the major categories. It will be seen that in the "feeble-minded" and "borderline" groups the percentage of cases generally increases with age, whereas in the "normal," "superior,"

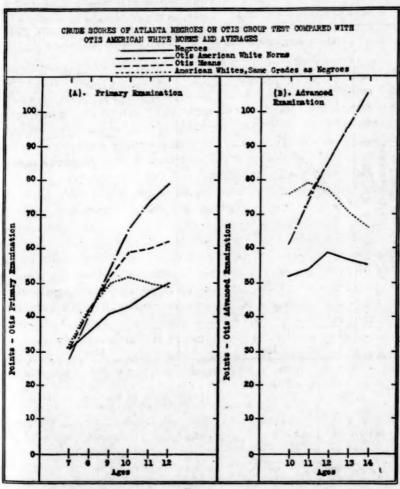


Fig. 1.

and "very superior" groups it decreases. The central tendencies of the age levels are seen to move constantly from the superior to the inferior extremes with increasing years.

Table 6 gives the means and variabilities of percentile ranks for the several ages. The mean is lower at each succeeding age. The seven-year mean denotes a good average performance (by American white standards); the eight and nine year scores, though increasingly lower, come within the range of "normality"; by 10 years the mean in this group of negro children has fallen below the lower limit of "normality" into the region classified as "dull"; and therein are found all the means of the higher ages.

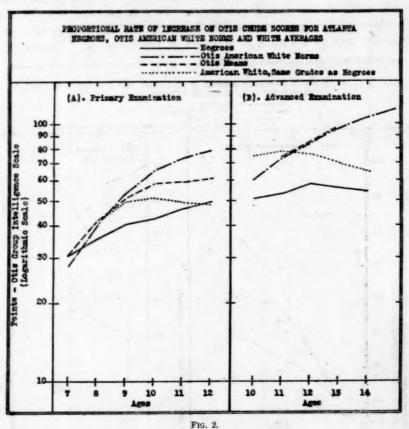


Table 5.—Percentile rank distribution on Otis tests, by age and clinical groups-

		-0.49, minded		-4.99, er line	5-19,	dull	20-79,	normal		, supe-		.9, very perior	
Age	Cases	Percent	Cases	Per cent	Cases	Per	Cases	Per cent	Cases	Per	Cases	Per	Tota
6 7			10	3.0	22 76	10. 2 22. 6	44 159 225	74. 6 74. 0 66. 8	13 30 26	22.0 14.0 7.7	2 4	3.4 1.9	51 21 33 38
9 0 1	6 31 29	1.6 7.5 7.3	46 107 107	12. 0 26. 0 27. 1	125 135 139	32, 7 32, 9 35, 2	198 132 112	51. 8 32. 1 28. 4	7 3 8 9	1.8 .7 2.0 2.0	3	.7	41 39
3	47 48 35	10.3 16.1 17.4	140 99 87	30.6 31,1 43.3	132 103 51	28. 9 32. 4 25. 4	129 67 25	28. 2 21. 1 12. 4	1 3	2.0 .3 1.5		*******	45 31 20
and over	14	16.1	46	52. 9 29. 2	22	25.3 8.3	5	5, 8					2
Total.	225	7.8	649	22, 5	807	28.0	1,096	38.0	100	3.5	9	.3	2,8

Atlanta negro children

Graph 3 pictures these facts and relationships. It will be noted that a consideration of percentile ranks serves to corroborate the generalizations brought out in this study.

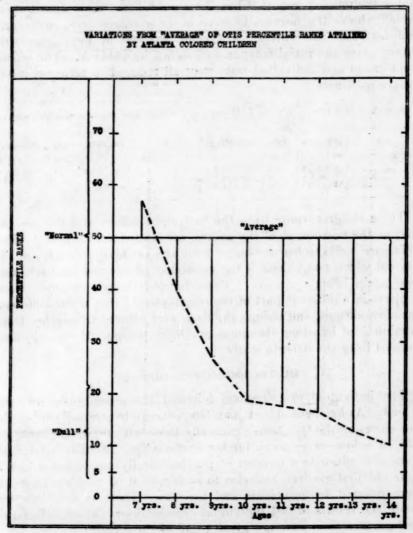


TABLE 6 .- Otis percentile ranks and variabilities - Atlanta negro children

Age	Number of cases	Mean percentile ranks	Probable error	Standard deviation of dis- tribution	Probable error
7	215 337 382 411 395 457 318 201	56. 64 39. 70 26. 95 18. 73 17. 69 16. 50 12. 58 10. 06	±1.07 ±89 ±72 ±67 ±67 ±56 ±.56	23. 29 24. 3d 20. 96 20. 26 19. 45 14. 72 15. 38	±0.76 ±63 ±51 ±48 ±48 ±39 ±52

It is interesting to note that the results here presented are not at variance with those of other investigators. In 1923–24 a survey of specially handicapped children was made in the State of Illinois, and a preliminary report ¹² has been published. This distribution table ¹³ shows the negroes to have lower averages and lower variabilities than the whites. A further analysis of data from this survey gives the racial comparisons shown in Table A. The scores from group and individual tests were all reduced to terms of intelligence quotients.

TABLE A .- Differences between I. Q. scores of whites and negroes-Illinois survey

Ago	Difference	Age	Difference	Age	Difference	Age	Difference
6 7. 8	10.6±1.3 17.3±1.9 19.6±1.9	9 10 11	20. 1±1. 3 25. 2±1. 1 29. 1±1. 2	13	26. 7±1. 0 31. 0±1. 1 22. 0±1. 4	15 16, 17	18.7±1.6 15.1±2.2

These children come from the first eight grades and the greater part of the negroes, as of the whites, are classed as "urbans." The difference tends to become larger with age—at least through age 13, beyond which point there is the possibility of selection and retardation again being operative. These figures, though obtained from subjects in a different part of the country and living under different social conditions, and though the data were secured from other tests administered by other examiners, obviously support the conclusions derived from the Atlanta study.

III. The Individual Examinations

The individual examinations followed the group tests in each school. As has been stated, as many as possible of those who made low scores on the Otis tests—generally those with percentile ranks of "5" or below—were given further examination. Similar individual tests were given to a number of psychologically unselected 6 and 7 year old first graders, and also to such special or problem cases as were referred by principals and teachers. There is available for study the results of 604 individual examinations, though all of the performance tests were not given to all of these children.

The Stanford revision of the Binet-Simon Scale was used as the basic test in all the individual examinations and was believed to yield the most reliable data for individual diagnosis. The Kohs Block-Design test was given to 201 children, and was then dropped from the schedule. In view of the poor work done on this test by most of the negro children, the examiner thought that sufficient material

¹³ Adler, Herman M: Report of the Survey of the Specially Handicapped Children in the State of Illinois. State publication, 1925.

n Ibid., p. 11.

had been collected to show a racial inaptitude for this type of performance and that the time could be better devoted to securing data with other psychomotor tests. Thereafter, the Lincoln Hollow Square form of board was used with most of the children, giving records, in 369 cases, of the number of problems solved within the one minute time limit, and also of the average seconds per problem. In calculating the last item the time was taken, to the nearest second, of each problem solved within the minute, each failure was given a score of 90 seconds, and the total time was divided by 8, the number of problems. Healy Construction Test A was used in 274 cases. The procedure differed somewhat from the generally prescribed one in that the work was discontinued if the problem remained unsolved at the end of three minutes, whereas the standard time limit is five minutes. This was done because decided difficulty was experienced in inducing most of the children to continue their efforts even as long as the three minutes. The great majority of those who did not succeed within a much shorter time lost interest or became discouraged. They frequently stopped and urging was necessary to get them to work until the end of the shorter interval. If the child failed, he was quietly shown how to fit in the pieces-unsupplemented by any verbal explanation—and in any case a second trial was given. If the first trial was a success, the child was asked to see whether he could do it more quickly next time. Five trials were given and in every case where the preceding one had been unsuccessful, the child was shown before being asked to try again. In computing the total time for the five trials, 180 seconds was used as the score for each failure.

Table 7 gives the intercorrelations of the test scores ¹⁴ and Table 8 gives the same correlations, with the factor of age distributed or held constant. The coefficients are naturally lowered in the second instance, since, in a group of varied ages, the mere factor of chronological age rather than that of relative intelligence for age, is responsible for the fact that many correlations are high. The child who does well in one test is likely to do well in another, because he is older rather than because he is proportionately more intelligent than the younger child who makes lower scorings on both.

[&]quot;In calculating the correlations for the first trial of "Heaty A" test the failures are placed at 180 seconds. Placing them at 300, the standard time limit, raises the correlation with the Otis Primary Score from -0.109 to -0.175. The correlation with the Lincoln test, average seconds per problem (0.078) becomes 0.100 if the failures are valued at 400, and -0.282 if the 103 failures are eliminated altogether. Omitting the failures from the calculation is ignoring a large and significant part of the data, and obviously gives an erroneous coefficient, since it implies that the cases used are believed to be typical of all. The question of the fair placement of the failures is not so easily settled, but within the limits experimented with, the resultant difference to the correlation seems quite small. In subsequent calculations based upon these coefficients, our arbitrary placing of failure at 180 gives prediction scores more favorable to the children studied than had a higher value been used.

Table 7.—Test intercorrelations—Atlanta negro children

CORRELATION COEFFICIENT

[Otis Percentile Rank—Binet I. Q.=0.377±0.027; number cases=402]

	Age 0.025±0.021 447± .012 .719± .013 .366± .041 .583± .023600± .023	Otis group te	st, total score		Lincoln Ho	llow Square
	Age	Advanced	Primary	Stanford- Binet, mental age	Number of problems	Average seconds per problem
Otis:	1111111					11.1
Advanced						
Primary Binet: Mental age.			0			
Kohs: Points			0, 410±0, 046	0.505+0.035		
Lincoln:						
Number of		LUCES WELL	The state of the	The state of the state of	325	
problems		-0.007 ± 0.064	. 346± . 045	. 583± . 023		
Av. seconds per				1 700 1 000	date in and	N. (7.4)
problem	1000主 .023	1-,653主 .037	1 371± .044	1 598主 . 023		************
Healy A: Time, 1st trial	L- 119+ 040	1 131-4 066	1- 169+ 052	1- 110+ 040	1-0.090+0.042	0.078+0.043
Total time, 5	119± .010	. 101± .000	100± .002	IIVI . 010	0.0000.012	W DIOTO DE
trials	1-, 209± . 039	1-,776± .027	1 309± . 049	1 250± . 039	1183± .041	. 170± . 041

NUMBER CASES

Otis:	1, 001	Section 1	1. 1	0.00	The state of	6314
Primary	1, 885		*****			
Binet: Mental age.	604					
Kohs: Points	201		147	201		
Lincoln: Number of prob- lems	369	109	171	369		
Av. seconds per problem	388	108	171	368		
Healy A: Time, 1st trial. Total time, 5	274	101	157	274	258	257
trials	267	100	152	267	254	253

¹ In a correlation of "time" scores with point scores or ratings wherein increase in excellence is denoted by figures of increasing magnitude, a negative coefficient naturally has a positive meaning and indicates a positive relationship between achievements in the two performances; and vice versa.

Table 8.—Test intercorrelation, age constant—Atlanta negro children

	Otis gro total	up test, score	Stanford.		Hollow
Total Control	Advanced	Primary	Binet, mental age	Number of prob- lems	Average seconds per prob- lem
Kohs: Points	0.00	0. 29	0.37	(**	
Number of problems. Average seconds per problem	-0.02 180	1-, 14	1 30	*********	
Healy A:	1 1 2				
Time, 1st trial. Total time, 5 trials	1 79	1 13 1 25	1 05	1-0.03	0.01

¹ See footnote to Table 7.

Binet mental age and the two measures of the Lincoln test are seen to be the most dependent upon chronological age, and the advanced Otis test the least so. The last should not be unexpected when we consider that a large part of the Otis scores are obtained from the

older, retarded children. Kohs and Lincoln tests yield the highest correlations with the Binet-probably the most dependable single measuring instrument-when the effect of age upon the relationships is eliminated. The correlation of Otis percentile rank and Binet intelligence quotient is positive and, in the light of its probable error, quite reliable; but the coefficient (0.377 ± 0.027) does not seem as large as might have been expected in the case of two indices each of which is, in itself, a measure of brightness irrespective of age. The first trial of the Healy test, if it measures anything at all in this group of children, measures something that seems to be quite different from what is measured by all the other tests-the coefficients, age constant, ranging from -0.13 to 0.13. The total time of five trials on the Healy, however (see Table 8), has a decidedly high correspondence (-0.79) with the Otis Advanced, and a real, though not as marked, correlation with the Otis Primary (-0.25). The average seconds per problem on the Lincoln also seems to be an excellent indication of accomplishment on the Advanced Otis (-0.80). It is interesting to note the four low correlations between the Lincoln and the Healy Tests (0.01-0.08), though both are psychomotor problems of the form board type and proficiency in the two might have been expected to be closely related. On the contrary, however, facility in handling the one test seems to give us no prediction of what may be expected with the others.

If attempt is made to summarize and generalize from these correlations, there would seem to be justification in saying that the Kohs test gives a fairly good measure of intelligence as gauged by the Binet and the Otis primary tests. The Lincoln test also corresponds satisfactorily with the verbal tests—provided the relationship between the number of problems solved in the former and the score on the Otis Advanced be excepted. This does not seem contradictory when it is considered that there are only eight problems, and that these, being designed for younger children, do not give an adequate range for the older subjects of the Otis Advanced. The Healy test seems to have little in common with the other measures, if only the first trial on the construction problem is considered, but the total time of five trials does give an excellent indication of accomplishment with the Otis Advanced and a very good one with the Otis Primary. The Lincoln and the Healy tests apparently do not measure the same thing.

1. THE STANFORD BINET TEST

Due to the nature of the selection of cases for individual examination in the study, largely by inferior performance on the Otis scale, the data are not such as are capable of yielding objectively adequate measures of racial performance. There are, however, unselected groups of 6 and 7 year children, whose showing on the Binet scale is interesting to consider. Table 9 gives the comparative scores of the two ages.

Table 9 .- Stanford-Binet scores of unselected 6 and 7 year old negro children

			Ment	al age			Intelligene	ce quotient	
Age	Num- ber of cases	Mean (years- months)	Probable error (month)	Standard deviation of dis- tribution	Probable error	Mean	Probable error	Standard deviation of dis- tribution	Probable error
6	54 51	6-9.7 7-0.3	±0.87 ±.83	9. 43 8. 76	±0.61 ±.58	103, 2 94, 8	±1.04 ±1.01	11. 32 10. 72	士. 73 士. 73
		Mo	nths	Probable differen	e error of		igence tient	Probable differ	
Differences 1			2.6		±1.20	hy j.	-8.5		±1.45

¹ Minus sign indicates score of 7 year olds is lower than 6 year olds.

In considering totality of performance, as is done in this table, it is noted that, in terms of mental age and of intelligence quotient, both 6 and 7 year groups are thoroughly "normal" by American white averages. There is the same falling off with age, relative to white standards, that was noted consistently in the study of the Otis test results. The difference in intelligence quotient between the ages (-8.5 ± 1.45) is quite reliable statistically and is the more significant since it reinforces conclusions drawn from other data, and gives some indication of the age at which this increasing "slowing-up" in mental development on the part of the group studied can first be observed.

The Stanford-Binet test is capable of yielding much information of a qualitative kind on the types of performances at which the subjects do their relative best and worst; but this has not been attempted in the present paper. The examiner's observations, however, while they are not offered as accurately calculated statistical findings, may not be without interest, regardless of their partly subjective nature. There was noted what may be described as lack of sensory discrimination in various fields, coexistent with inability to criticise or see discrepancies between accomplishment and the ideal or pattern. Illustrative of this, for example, are inferior work with weight discrimination (IX₂), in giving rhymes (IX₆), and in many instances of word definition, as well as in some performance tests which will be discussed in a later section. With reference to inaccurate interpretation of verbal stimuli, it is interesting to note that, even after the difference in spelling and in pronunciation between the given word and the one

¹⁸ The writer in an unpublished M. A. thesis found that with negro children, aged 8-12, from the colored public schools of Lexington, Ky., all ages made averages inferior to those of whites, on a summation of points from several individual tests of the Cornell series, but differences between race averages were greater at each successive year.

with which it was confused had been pointed out, large numbers-in fact it seemed most of the children-persisted in interreting "copper" (vocabulary test) as "copy," "pork" as "poke," "lecture" as "electric" or "election," and "civil" as "silver." In like manner, it seemed that the great majority of children defined "charity" (XII2) as "something to ride in" or "a hearse," and "justice" as "'cute' ingestion" (acute indigestion). In other words, a vague similarity of sound with some better known word was sufficient to prevent them from getting an accurate auditory conception of the one in question. It also seemed that they were relatively inferior in repeating digits backward and in copying the diamond (VIIa). The tests in which they seemed most proficient were those of a practical nature, such as knowing coins (VI₅) and tving a bow (VII₄). They also gave the Impression of doing well in auditory rote memory and in interpretation of pictures (XII,-verbal imagination?). To summarize, the examiner's belief is that they do best at practical and rote performances, and poorest at those performances involving discrimination and critical accuracy.16

Upon qualitative race differences comparatively little work has been done. Two recent articles ¹⁷ reporting experimental investigations with white and negro children, stress the need for analytical study of the individual rather than for the creation of race norms in terms of general intelligence.

2. KOHS BLOCK DESIGN TEST

In Kohs block-design test the subject is required to reproduce, with a set of colored cubes, certain color-form designs which are drawn on cards. The designs vary in size and complexity, and a point scale has been worked out which makes deductions from each maximum design value for excess time and moves. The final point score may be interpreted into "mental age." The method of procedure described by Kohs 18 was followed by the examiner in administering and scoring this test.

The impression was soon gathered that this test held special difficulties for the negroes; their score on the block designs seemed to be much inferior to their showing on the Binet test. Especially striking was what appeared to be an inability to criticize their own work, to recognize a failure as such, a tendency to offer a markedly erroneous

³⁶ The writer's study, previously referred to, showed, by quantitative measurement, the negroes studied to be superior to the whites in immediate memory for familiar objects, but inferior in processes involving reasoning and judgment and in mental content or fertility of ideas.

¹⁷ Sunne, Dagny: Comparison of White and Negro Children by the Terman and Yerkes Bridges Revision of the Binet Tests. Peterson, Joseph: Lanier, Lyle H., and Walker, H. M.: Comparison of White and Negro Children in Certain Ingenuity and Speed Tests. Both articles in The Journal of Comparative Psychology, Vol. V, No. 3, June, 1925.

¹ Op. cit., pp. 64-77.

solution with an apparent self-assurance of its correctness. This is decidedly in keeping with the general type of performance discussed in the preceding section on the Binet tests; accurate analytical and critical work seems difficult for the negro.

The block design test was given to only 14 unselected 6-year-oldschildren who were not tested because of low scores on the Otis-and to the same number of unselected 7-year-olds; but regardless of the few cases, something of interest may be gleaned from the results. The mean point scores for the 6 and the 7 year olds, respectively, were 1.4 + 0.15 and 2.0 + 0.26; their standard deviations were 0.8 and 1.5. Kohs 19 gives 4 points as the score corresponding to a mental age of 6 years 6 months, and 8 points as the score for 7 years 6 months. It will be remembered that on the Stanford-Binet and the Otis tests. the subjects of this study of these two ages made decidedly favorable showings. It seems, then, that regardless of good general intelligence, as measured by our most reliable tests, the 6 and 7 year old negroes give evidence of inability to handle the block designs. 2 point score obtained by the 7 years 6 months children coincides with what Kohs considers the norm for 6 years 0 months; and while the 6 years 6 months subjects in the present study average 1.4 point. Kohs makes 1 point the norm for 5 years 7 months.

The remainder of the 201 children who were given the Kohs test were the older ones, most of whom were examined because of inferior scores in the group test; and it is obviously unfair to consider results obtained from such subjects as typical of racial performance. evidence as was obtained about the interrelations of the factors of age. Otis score, and Kohs points with the group studied and by means of a regression equation 20 affords predictions of the most probable Kohs score, the other two factors being held constant. That is, knowing the means and the standard deviations of each of the three factors in question, as well as their intercorrelations, what children of a given age and given score on the Otis would most probably average on the block designs can be computed. The ages 8, 10, and 12 have been taken, and for each age the score on the Otis primary which was found (see Table 4) to be the average for that particular age the corresponding predictions for the Kohs have been computed. The predicted block-designs scores are as follows: 8 years, 3.3 points: 10 years, 6.1 points; 12 years, 8.6 points. This means that for children of an average age of 8 years 6 months, whose work on the Otis primary test is average for this age, and who therefore are not

¹⁹ Ibid. p. 73

^{*} T. L. Kelley's regression equation for three variables is:

the selected inferiors that the actual present subjects were, the most probable score on the Kohs test would be 3.3 points. It must be emphasized that these figures can not be presented with the finality, and must not be accepted with the confidence, that more strictly empirical data (objectively obtained measures) would justify. All they tell is that, in the light of the present data, the mutual interrelations of the factors considered afford the belief that the predicted scores indicate the general trend and are the most probable averages. With this word of warning about their interpretations, the results yielded by the regression equation may be considered briefly.

When these predicted scores for 8, 10, and 12 year old children are compared with Kohs's norms for each of these mid-year points, the discrepancies are somewhat startling. The predictions made for these ages are, in order, 3.3, 6.1, and 8.6; Kohs's norms are 14, 30, 54.

Comment concerning the writer's findings with Chinese children on this test may be of interest.²¹ Sixty-three Chinese 12-year olds made an average of 65.4 points on this test. This score, the mental age equivalent of 13 years 4 months, surpasses their average Binet mental age (11 years 5 months) and even their chronological age (12 years 6 months). The Chinese apparently show a special facility in handling this type of problem—one which is beyond both their Binet performance and the American average for children of their years—whereas the negroes in the group under study showed a marked disability in this line of work, their scores herein being inferior to white norms and to their own records in verbal tests. Here, apparently, is a measure of racial differences, though just what the true significance of the measure is would be more difficult to say.

It will be remembered that Kohs test bore a higher correlation with the Stanford-Binet age constant than did either of the other performance tests used with this negro group. The coefficient (0.37), while very good for the correlation of a verbal with a performance test, is not high as test intercorrelations between verbal tests generally run, and is lower than the correlation between block designs and Binet (0.49) in the case of the Chinese 12-year olds referred to, and lower than the similar correlation coefficient (0.83) obtained by Kohs in the case of 366 American white children. It must be concluded, then, that while the negro's ability to solve the block designs is slightly concommitant with general intelligence as measured by other and surer means, his block-design ability lags decidedly behind his general ability and indicates a special racial inferiority in the factors that contribute to success at this type of work.

³ Graham, Virginia Taylor: The Intelligence of Chinese Children in San Francisco. Journal of Comparative Psychology, Vol. VI, No. 1, 1926, pp. 55-56.

3. THE LINCOLN HOLLOW SQUARE TEST

This test consists of eight problems, of the form board type, which vary in difficulty. The scoring in this investigation, in terms of number of problems solved within one minute, and of average seconds per problem, has already been described.

As with the Kohs test, the objective data for unselected 6 and 7 year olds (37 and 33 cases, respectively), can be given, but they must be confined to predictions obtained from regression equations for the higher ages. Table 10-gives these figures.

TABLE 10.—Scores on Lincoln hollow-square test—Atlanta negro children

UAL M	EASURE			1-7-5-3
in	Number of solve	problems ed	Average m seconds per	ember of problem
Cases	Means	Standard deviation	Means	Standard deviation
37 33	4.5±0.13 4.9± .19	1. 2 1. 6	55±1.17 52±1.55	11 13
		NT		
	5.3 6.2 7.1		48 39 31	
TIS ADV	NCED CONST.	ANT		
	5. 4 6. 0		47 40	
	Cases 37 33 REDICTORIS PRIM	Solve Solve Means	Number of problems Standard deviation	Number of problems Average m seconds per

There is little or nothing with which these results may be compared. The originators of the test give data ²² from only 35 children, and nothing is known about their selection of cases. There were seven 6-year olds, and seven 7-year olds among their subjects. The median total time (and in calculating total time each incomplete problem is given a score of 60 seconds, instead of 90 as was used in computing the average seconds per problem) is 165 seconds for the 6-year group and 170 for the 7-year. This is obviously very inadequate for a comparison, but it seems to indicate that Lincoln's subjects did better than those of this study—both with respect to number of problems solved and to time of solving.

Referring again to Tables 7 and 8, it will be recalled that the Lincoln test had a fairly satisfactory correlation with verbal tests of intelligence and with age. The coefficients seem to indicate that the time

[#] Op. cit. pp. 56-59.

measure is a better index than is the number of problems, though the latter seems satisfactory with younger children.

With reference to the predicted scores, holding constant the Otis primary gives results that are more favorable to the negro than does distributing the Otis advanced; and since the "primary" group is less weighted with retarded cases, it is probably no more than fair to accept these better scores as being the more nearly correct.

On the Lincoln test, the present subjects seemed to do better at each successive age, both with respect to the number of problems solved and to the time of solving them. The test correlates to some extent with verbal intelligence tests, but not with the Healy construction A. There are available no comparable data on which to base an estimate of how well or how poorly the negro children do on the test, with reference to the accomplishment of children of any other race.

4. HEALY CONSTRUCTION A

As has been pointed out previously, the time required for the first solution of the Healy A seems to be completely unrelated to any of the other tests or measures, so far as this negro group is concerned. The total time of the five trials, however, does bear some relationship to accomplishment in the verbal tests, and a marked one in the case of the Otis advanced. Unfortunately, all the comparable data available are in terms of time on the first trial, which, it is felt, is a psychologically unknown measure, perhaps influenced largely by chance. Children have often been seen to solve the puzzle comparatively quickly the first time, only to fail or take an inordinately long time on succeeding trials. The total time for five trials seems to be a more significant index.

As Pintner and Paterson ²³ point out, there has been some disagreement in the norms offered by several investigators. Their own are probably the best basis of comparison, since, aside from being derived from a comparatively large number of cases (1,005), they are the ones that are most generally accepted. Despite great variability in individual performances at all ages, their medians ²⁴ show a steady decrease with age. As might be expected with data selected as in the case in this study, the actual medians of the group under study are most erratic, so again resort is had to predicted averages as the safest indication of performance. Table 11 gives the best that is afforded in the way of racial comparisons on this test.

Table 11.—Predicted scores of Atlanta negro children, compared with white norms on Healy construction A test

NEGROES-AGE AND OTIS SCORE CONSTANT-PREDICTION

	Pri	imary tes	st	Advane	ed test
Age	8	10	12	11	12
Time: First trial	129 263	120 229	112 200	128 267	12 22
WHITE NORMS-MEDIANS-PINTNER	AND I	PATER	son		
Time: First trial	117	70	46		- 111

Again preference is given to the predictions based on the Primary-rather than on the Advanced examination; they are more favorable to the group. With reference to time on the first trial, these figures indicate the white to be more successful in the solution of this problem. The scores of the two races are closer together at the lower ages.

Little can be said about the significance of this test. Just what factors are involved in this type of problem solving it would be difficult to say; "appreciation of form-space relationships" and "psycho-motor ability," are somewhat vague phrases, and it would be reverting to an outgrown "faculty psychology" if attempt were made to extract herefrom the indicators of more specific "abilities." Nor is there objective criteria to indicate the practical or industrial aptitudes of which the test is a measure. When the five trials are used, and the problem becomes a learning test, still other psychological elements are introduced; but further and fuller analysis is needed to determine the value of the form board as a prediction of social or economic adequacy, either general or specific.

IV. Summary and Conclusions

In this study no pretense is made of having adequately analyzed negro intelligence from the qualitative standpoint. Nor is it believed that any of these tests are magic or infallible indicators of the thing called general intelligence. A clinician is only too well aware of the distorting influence of the conditions known as "attitudes" and "interests"; and intelligence, in itself, remains too much of an unknown quantity to be dogmatized about. This study has been based upon results obtained from the use of a group test (Otis) that is generally accepted as a good measure of general ability, of an individual test (Stanford Binet) that is conceded to be the most accurate and dependable measuring rod, and upon several performance tests (Kohs block design, Lincoln hollow square, and Healy

construction A), about the specific indications of which less can be said with definiteness.

The ideal procedure in such a racial investigation would seem to be, of course, to compare groups of white and negro children that had been subjected to the same social and educational influences, that is, to measure test performance, experience being held constant. Such a method is, however, practically impossible. Comparisons have, therefore, been based upon norms secured from large numbers of white children in various parts of the country, and an attempt has been made to eliminate such factors as seemed, a priori, to put the negro at a disadvantage. Moreover, considering the probable discrepancy in status between the white and the negro children compared in this paper, the comment may be pertinent as to whether, had their environments been the same, the selected groups would not have been as representative of the respective races as are the ones used.

Taking the results "behavioristically," without any over-interpretations, as objective data accumulated through the scientific method of "controlled stimulus and measured response," the comparative records of the races are significant. The results found in the present study may be summarized briefly as follows:

- 1. On various mental tests the negro children, except at early ages, made averages that are lower than the averages of white children.
- 2. The discrepancy in test scores between the races increases with age, after the sixth year, and becomes quite marked by the eleventh year.
- 3. Variability of performance within each of the races was found, as many investigators state, to be greater than the difference between the two. The differences between the averages are reliable, however, and are constant in direction.
- 4. In most instances greater variability of performance is shown among the whites than among the colored. This increases the probability of extreme cases in the former race; and since their means are generally higher, it increases the probability of superior scores. The negro group, on the other hand, tends to hang a little closer around their lower average.
- 5. On tests of special performance—nonverbal tests and specific parts of verbal scales—the negro children seem to do better at rote and practical tasks than at those that involve behavior which may roughly be described as discriminating, analytical and critical.
- 6. There seems to be little, if any, real disagreement between the results and conclusions from other related studies and those from the present study, though no attempt has here been made to

review adequately or to analyze the complete literature that is

available on this subject.

No attempt is made to state the ultimate significance of these test results. Probably no one is in a position adequately to define and analyze intelligence; and the real value of many of the measures thereof is still a debatable question. The only justifiable claim of mental testing is the pragmatic one of furnishing a reliable prediction of general social and economic efficiency. The science rests upon an empirical foundation; and correctly standardized tests, though they may not differentiate and analyze endo-psychic factors, have been found to provide a basis for predictions of social and economic adequacy that have undeniable reliability.

and and advances for you'll arrow to do at the first

Appendix

OTIS INTELLIGENCE TESTS BY PERCENTILE RANK

Number of children in each grade and of each age, classified according to percentile rank—Unselected negro school children in Atlanta, Ga.,

0-0.49 0.50-		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			md040		-01040 -01040	. 6 7	2221
98.					0-1	10	211	. 39	1 203 31 1
5.0-9.0			64	63	188	22	20.00	42	12 17 0
10-14			0	.0	21 8	50	17.88	51	-2226-
15-19			13	14	10 10 2	25	181	32	© 884
20-24		1	∞	6	-1200	30	0.55 20 44	32	-4461-
25-29	8	6.9	9	9	01 Kg 10	30	-& E & C	33	10 00 10 10 64
30-34 35	-	-	earo	1	1119	18	7000	36	4001-00
-39	-	-	202	14	241	26	-666-	30	
40-44		6.9	-64	3	-104m	13	041-00	12	-8-
45-49 50	ea .	63	-80	14	2027	8	100	17	-84-
50-54 ts	80	00	220	16	201	21	neg-	21	-010000
65-59 60	-	-	121	18	100-	13	i dinos	10	-+00
60-64 65	₩00	7	1512	19	-000-	16	New-	11	
65-69 70-74	6 00	6	858	20	101-4	16	-00-	9	
74 75-79		6	38 133	12 21		9 13	100-4	7	
80-84	64 60	80	800	0	440	3 14	-64	60	
88-88	64.00	20	-1-11-1	11			1110	•	
16-06		3	-1000-	10	100-	9		1	
8		69	7	*				2	-01

Number of children in each grade and of each age, classified according to percentile rank-Unselected negro school children in Atlanta, Ga.,

Grade 0-0.49	0.50	1.0-	5.0-9.0 10-14		16-19	20-24	25-29	30-34	35-30	# Q	45-40	20-54	55-59 66	9 -09	69-99	70-74	75-79	80-84	85-89	90-94	- A	Total
4404		118821	01822	-000	41-20		-1-00		H 60	-00		H 100 10	040	-69	64-	63	00	C.	00	l lee		444488
88	21	98	72	34	33	19	88	14	13	13	9	0	7	3	69	64	63	63	3	8	1	395
912	2222	113¥&a	មេខដីមីជ	-86431	10.80	- 64-00	200	2-92	-800		100	19		6	10		C4	•	-01	C4		488188
47	26	114	82	48	30	30	30	30	17	6	-	1	00	3	2	1	61	4	3	69	:	457
22440	689	847.62	-2843	Ronn	282	152	61611-	100	644	102 4	11		C4			-		-			111111	28828
48	-	98	20	33	8	18	=	1	9	-	00	100	63	64		-		-				318
68 4 8 6 8 4 8 6 8	16		1 50	1001	4 3	1100	* *	 	- 5	1	1	1							2			40883
35	8	99	25	17	8	*	00	*	80	-	1	1	1		1	-			63	1		201
1894	44		2 10	·c	10	00	1		1													1-4258
14	11	35	12	8	*	0			-					-					ľ			

CERTIFICATION OF THE PARTY OF T

and the second second

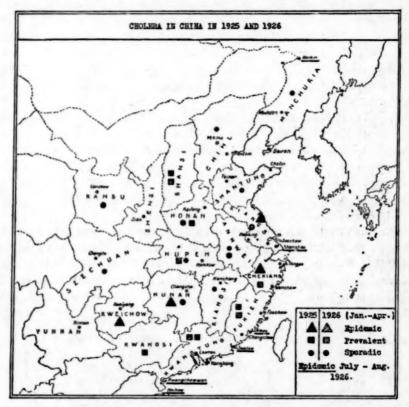
the state of the state of the state of the state of

16.	- 60	*1-		*	1	* * *	-				5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									 : :	1 to 1
Total		11	2	*			-		T	T		I				1:		1			19
17	5	3							1									0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			89
	0		-								 					 				 -	1
Total			1				-	****											1	1	1
19.	5	-																			-
	-	-			-			-	-	-	-		-	-	-	-	-			 -	

CURRENT WORLD PREVALENCE OF DISEASE

REVIEW OF THE MONTHLY EPIDEMIOLOGICAL REPORT ISSUED SEPTEMBER 15, 1926, BY THE HEALTH SECTION OF THE LEAGUE OF NATIONS' SECRETARIAT 1

Additional information concerning the cholera outbreaks in China and other parts of the Far East during the spring and summer months is made available in the September Epidemiological Report, published at Geneva by the health section of the League of Nations' secretariat. While the epidemic at Shanghai, referred to in last month's report, declined during August (see table below), outbreaks were reported in Amoy and in Harbin, Manchuria, about the middle of



August; also a few cases occurred in Port Arthur and Dairen. A number of deaths from cholera were reported at Swatow in July, and rather serious outbreaks occurred at Hoihow on the island of Hainan, where 386 cases were reported in four weeks in May and 365 cases in four weeks in July. At Kwang-Chow-Wan the number of new cholera cases continued to increase during August, and 483 cases were reported as against 354 in July. In general the cholera situation in China gave cause for some anxiety at the beginning of the month of September.

I From the Office of Statistical Investigations, U. S. Public Health Service.

While current figures for China as a whole are unobtainable, of course, the information gathered by the National Epidemic Prevention Bureau at Pekin from hospitals and practitioners of western medicine gives a good indication of the epidemic situation in the various Provinces. This information was available only up to April. but at that time cholera was said to be of frequent occurrence in the two southern coast Provinces of Kwang-tung and Fukien, but not to exist elsewhere. Notes from this source seem to indicate that, during the 12 months from May, 1925, to April, 1926, no Province of China was entirely free from cholera. The southern and central coast Provinces and the two inland Provinces of Kweichow and Hunan were most affected, while cases seem to have been rare in the western Provinces. On the accompanying map of China some indication of the prevalence of the disease in the various Provinces in 1925 and in the first four months of 1926 is given, and the towns where outbreaks were reported in the past summer have been underlined.

In southeastern Asia the cholera situation improved during the summer. In Siam 674 cases were reported in the whole country during the four weeks ended August 14, compared with 1,413 during the previous four weeks. In French Indo-China, where 722 cases were reported in August as compared with 1,768 in July, the situation showed marked improvement, and the principal ports were reported free from cholera.

The cholera deaths reported in India in the two weeks ending July 31 numbered 2,499, compared with 4,908 in the corresponding period of 1925. Western and northwestern India were practically free from cholera, and Bihar and Orissa and Madras Presidency showed the highest incidence. No unusual prevalence occurred in the Indian ports.

Table I.—Cholera cases reported in the principal maritime towns of the Far East from August 1 to September 11, 1926

	Nur	nber re	ported	in wee	k end	ing—
Towns	1	ugust-	-	Sep	tembe	r-
	7	14	21	28	4	11
Negapatam (deaths) Madras (deaths)	3	5	5	6	0	1
Calcutta (deaths) Rangoon (deaths)	11 1 8	5	9	10	13	18
Bankok (cases) Saigon and Cholan (cases)	1 0	0 2	0	0 16	0 38	55
Shanghai (eases)	333	171	0	100	122	57
Yokohama (cases)	0	36	98	66	0 46	27

Plague.—"Returns for August show a relative quiescence of plague in its principal centers, as is usual at this season," says the report. In the Mediterranean countries the only cases reported during the month were 4 at Constantinople, 2 in Greece, 2 in Algeria, 1 in Tunisia, and 1 in Egypt, at Alexandria.

In the Union of South Africa only 2 cases of plague were reported in August as against 11 in July. No cases have been reported from Tanganyika Territory since last November, and in Mauritius the one case reported during July was the first since last December. In Madagascar plague reached its lowest incidence during July with 16 cases, and an increase occurred in the first half of August when 30

cases were reported.

In Senegal and Uganda the incidence of plague has been higher than in the previous year. During May and June 321 cases were reported in Senegal, compared with 98 cases the corresponding period of 1925, which was, however, an unusually low year. In Uganda the number of cases was declining somewhat in July, but between January 1 and August 7, 1,128 cases had been reported compared with 470 cases during the corresponding period of the previous year.

Plague cases reported in India during the two weeks ending July 31 numbered 562 as against 490 in the corresponding two weeks last year; 179 cases were reported in Bombay Presidency, 91 in Madras

Presidency, and 226 in Mysore.

In Java there were 139 deaths from plague in the four weeks ending July 17 as against 461 and 518 deaths, respectively, in the corresponding periods of 1925 and 1924.

In Siam only 1 case of plague was reported in July, and in French Indo-China there were 22 cases reported in July and 12 in August.

Japan reported 9 cases of plague in July, all in the Province of Kanagawa and 6 of them at Yokohama. There was no case in August. Yellow fever.—The following cases of yellow fever were reported:

Africa:

Gold Coast—June, 2 cases, 1 death. Nigeria—June, 1 case, 1 death.

South America:

Brazil-

Parahibo—April, 40 cases, 8 deaths. Rio Grande del Norte—April, 50 cases, no deaths.

Smallpox.—The outbreak of smallpox which began early in the year in Japan evidently had come to an end in August, for only nine cases were reported in the first two weeks of the month. The total cases reported in the first seven months of the year numbered 1,219.

Smallpox was reported to be prevalent in all parts of China in March and April, and epidemics were indicated in the Provinces of Chihli, Honan, Chekiang, Fukien, and Kweichow. "As elsewhere in the Northern Hemisphere," says the Report, "smallpox seems to be most prevalent in April, least in September."

The smallpox cases in European Russia, excluding the Ukraine, in April totaled 373 as against 1,060 in April, 1925, and 2,480 in April, 1924. Only 22 cases were reported in the Ukraine in April and 27 in May.

A marked seasonal decrease in smallpox occurred in England during July and August; 291 cases were reported during the four weeks ended August 14, compared with 585 during the previous four weeks.

A severe smallpox epidemic of virulent type was reported in July at Rio de Janeiro.

In the United States there were 592 cases reported by 38 States during the first fortnight of August, compared with 367 in the corresponding period of 1925.

Dysentery.—The prevalence of dysentery reported by European countries during August is summarized in the following paragraph taken from the Report:

Dysentery has, on the whole, been less prevalent in Central Europe during the past summer than in 1925. There were 616 cases in Germany during the four weeks ended August 28 as against 1,182 cases during the corresponding period of the previous year. Fifty-two cases were reported in July in Czechoslovakia and 145 cases in Hungary as compared with 127 and 211 cases, respectively, during the corresponding month of 1925. In the Kingdom of the Serbs, Croats, and Slovenes there were 236 cases in August, 1926, as against 301 cases in August, 1925. The disease was, on the contrary, somewhat more prevalent in Poland than in 1925: 1,437 cases were reported during the four weeks ending August 28 as against 1,049 cases during the corresponding period of the previous year. The returns for May for the Ukraine showed a slightly higher incidence than in 1925.

Enteric fever.—Although seasonal increases in enteric fever were evident for most European countries, the July incidence was lower than during the corresponding month of the previous two or three years in nearly all countries. "It would be premature, however, to draw any final conclusions, as yet, on the typhoid fever situation," says the Report, "since the maximum incidence of the disease rarely comes before September, frequently in October, and, at times, as late as November."

Acute poliomyelitis.—Both Germany and England reported more cases of poliomyelitis during July and the first two weeks of August than in the corresponding season of 1925, while the other countries

reporting on this disease showed a lower incidence than last year. A comparison of cases in the two years is given in the following table:

TABLE II .- Cases of poliomyelitis reported in various countries, 1925 and 1928

4-week period ending—	Gerr	nany	aı	dand ad ales	Ita	aly		ew land	Month	Swe	eden	Den	mark	Fra	nce
	1925	1926	1925	1926	1925	1926	1925	1926		1925	1926	1925	1926	1925	1926
Jan. 30 Feb. 27	17 22	22 14	26 23	17 20	19 19	11 13	167 409	0	January February	34 20	35 13	7 14	1 3	10 18	9
Mar. 27	21	18	17	14	35 26	8	396	5	March	13	8	3	2	16	20
Apr. 24	18 25	18	12	14	26	12	197	4	April	13	12	1	2	17	13
May 22		22	16	17	26	25	62	0	May	12	8	2	1	11	11
June 19	18	21	15	23	68	28	40	0	June	13	10	4	3	8	8
July 17	20	57	17	26	80	42	14	1	July	13	17	9	3	15	20
Aug. 14	31	160	28	98	106	52	12	0	August	84	39	20	9	39	18

Scarlet fever.—The number of cases of scarlet fever in Poland has been increasing steadily since June, and in the week ending September 4, 1,138 cases were reported, more than twice the number in the corresponding week of 1925. In Germany an increase began in August, and at the end of the month the number of cases was greater than in any of the four preceding years. The weekly cases reported by these two countries are shown in the table below. No corresponding increase was noted in the reports from other European countries.

Table III.—Scarlet fever cases reported in Germany and in Poland from July 11 to September 4 of 1925 and 1926

	Gern	nany	Pole	and
Week ending—	1925	1926	1925	1926
July 17	695	733	393 392	533
July 31	612 685 663 607	714 699 769	383 376	533 506 614 603 643 804 935 1, 138
Aug. 14	607 782 778	826 978	313 387	645 804
Aug. 28.	778 806	1, 008 1, 151	500 437	1, 138

WHAT PRICE SMALLPOX 1

By CHARLES V. CHAPIN, M. D., Superintendent of Health, Providence, R. I.; President American Public Health Association

During the last 15 years there have been over 700,000 reported cases of smallpox in the United States. Last year, 1925, there were 39,639 cases. These 39,000 cases were more than occurred in any country furnishing statistics, except India. Even Soviet Russia,

¹ Quoted from the Weekly Bulletin of the Bureau of Public Health of New Mexico, dated Nov. 16, 1926.

with a larger population, had only half as many cases. The 8,000 deaths in Mexico suggest that the cases in that country were probably proportionally more numerous than in the United States, but actual statistics are lacking. What becomes of our boasted superiority in public health when we are more widely infected with the most loath-some of the contagious diseases than is any other country, but Mexico, and when we have to admit our inferiority to the Soviet Republic. This state of things is no chance event of one year. For 15 years and longer we have had more smallpox than any country in western Europe; indeed, generally more than the whole of western Europe. In 1921 we had reported over 100,000 cases of this disease.

Some people are saying, "Suppose we do have a lot of smallpox; what of it? It is a very mild type of the disease. It never kills anybody. I had rather have it than vaccination. With modern sanitation and our cleanly habits the old loathsome smallpox has become extinct."

Has the reader ever seen a case of "mild smallpox"? If he has, certainly if "she" has, neither would ever prefer it to vaccination. A year ago there was an outbreak of some 50 cases of mild smallpox in the vicinity of Providence. Out of the kindliness of our hearts we took four of the patients into our city hospital. They all had backache, headache, and some fever for a few days. They then felt better and could sit up. The bodies, and especially the faces, of all were covered with pustules. They were almost thick enough to run together. We counted nearly 2,000 on one man. In about three weeks they had turned into brown crusts and had dried up and fallen, leaving brownish spots to last for half a year. There were no deaths, so this was classed as an outbreak of the mild type. I prefer a successful vaccination.

It is all nonsense about the old-fashioned severe type of smallpox being extinct. It still exists in various parts of the world, in India, in China, in Mexico, in Russia, and in other places. It has in recent years invaded the United States, from Japan, from Europe, from Africa, and most frequently of all from Mexico. In 1923 Detroit was experiencing an outbreak of mild smallpox. Nobody died: The health department did valiant work but received scant support. People would not be vaccinated. The disease dragged on. Then. in January, 1924, a case of virulent smallpox came from Canada. People began to die. They lived sometimes only two or three days. The public became alarmed. They began to back up Doctor Vaughan, the health officer. He vaccinated over 500,000 in a month. The disease was stamped out, but not until 163 persons had been placed in their graves. Virulent smallpox from the same source was carried to Minnesota. In Minneapolis it caused 1,298 cases with 63 deaths. Doctor Chesley traced it to 147 localities, and the average

fatality was 25 per cent. In Washington, D. C., in 1925 there were 59 cases with 20 deaths. During the first quarter of this year there were, in Los Angeles, 812 cases with 136 deaths. Virulent smallpox is still with us. It is as cruel a disease as in the olden times. When there is no smallpox people say, "Why should we worry? Why should we be vaccinated?" That is what the 136 Los Angeles victims said last year. Now it is too late.

How many people are saying the same thing this year? What price will they pay? Intelligence and vaccination, or indifference and smallpox? Every physician and every board of health is ready to vaccinate you now, before it is too late. Have you consulted them as yet? If not, do it now.

Opinion of Attorney General of Tennessee Regarding Authority of Municipal Health Officers Outside of Corporate Limits

Sections 3101 (being section 7 of chapter 98, Laws of 1877) and 3102 (being chapter 28 of the Laws of 1877) of Thompson's Shannon's Code of Tennessee, 1918, read as follows:

Sec. 3101. Every municipality throughout the State having 5,000 inhabitants and over shall organize a properly constituted board of health, which, in addition to their duties as such local boards, shall also make monthly, quarterly, semi-annual, and annual reports to and in accordance with such form and instructions as said State board of health may prescribe, and also shall make special reports whenever required.

SEC. 3102. The boards of health established in the various cities and towns of the State shall have the same jurisdiction and authority to do all acts in the territory extending one mile from the corporation line, in any direction, that they have within the corporation; but the jurisdiction herein conferred shall not extend beyond the limits of the county in which any city or town is situated and if two cities lie nearer than two miles of each, the jurisdiction in distance shall be divided between them.

In response to a request by the State commissioner of public health relative to the authority of city and town health officers beyond the limits of their respective municipalities, the attorney general of Tennessee rendered the following opinion:

- (1) The provision of section 7, chapter 98, acts of 1877, is valid, and boards of health established in cities and incorporated towns may exercise their authority in the territory extending a mile from the corporate limits. Ordinarily this must be preceded by ordinance establishing a board of health and providing for the territory specified, unless the municipality is operating under some special charter or act of the legislature.
- (2) The law provides that there shall be no conflict in authority between city and county health officers. They must act in conjunction and harmoniously in the territory over which each has jurisdiction.

PUBLIC HEALTH ENGINEERING ABSTRACTS

B. coli as Index of Faecal Pollution of Water Supplies. D. A. Bardsley. J. of Hyg. 1926, vol. 25, pp. 11-25 (52 refs.). (Abstracted by W. W. C. Topley.) From Bulletin of Hygiene, vol. 1, No. 9, September, 1926, pp. 735-736.

This paper contains a careful and adequate review of the criteria which have, from time to time, been advocated for the identification of B. coli, as a bacterial group, the presence of which in a sample of water affords evidence of excretal contamination. Particular attention is paid to the methyl-red and Voges-Proskauer tests as differentiating between B. coli of faecal origin and B. aerogenes, the normal habitat of which is usually regarded as being grasses, grain, and fertile soil. A useful summary is given in tabular form of the evidence on which this view is based. The author then records the results obtained in the examination of 525 samples of water, in which these tests were applied in addition to those usually included in a bacterial analysis. Of these samples 262 contained a coliform bacillus which fermented lactose with the production of acid and gas, failed to liquefy gelatine, and produced a clot in milk. In the case of 15 of these samples, however, all the coliform bacilli submitted to confirmatory tests gave a negative methyl-red reaction and a positive Voges-Proskauer reaction, and should therefore be classed as B. aerogenes. It would thus appear that in 5.7 per cent of the cases, in which B. coli would have been reported as present by the ordinary tests, the organism actually isolated should not have been regarded as affording evidence of excretal contamination.

(There seems reason for believing that a more adequate differentiation of those bacilli which the sanitary bacteriologist groups together as B. coli is a far more serious problem in the Tropics than it is in this country. See report by Pawan, Bulletin of Hygiene, v. 1, p. 26.)

Small Sewage Tanks. E. F. Longley, Commonwealth of Australia. Dept. Health Service Pub. (Div. San. Eng.), No. 1, 22 pp. (n. d.) Melbourne. (Abstracted by W. W. Jameson.) From Bulletin of Hygiene, vol. 1, No. 2, February, 1926, pp. 155-156.

This report is really an analysis of the records of 38 small sewage tank installations in Australia. Such installations, while of value for residences and institutions, are not a satisfactory substitute for water-carried sewage systems for communities. Their efficiency may be judged by their freedom from nuisance and objectionable odors and by a long-continued operation without clogging by solids. There is insufficient information available regarding the chemical and bacteriological results obtained.

The majority of the tanks under review contained two or more chambers, but no advantage appears to be gained by dividing tanks into compartments. Such tanks, usually rectangular in shape, should be capable of holding about 24 hours' normal flow or 20 to 100 gallons per head of the population dealt with. Shallow tanks appear to work as satisfactorily as deep tanks. All tanks and drains require periodical cleaning, although one tank is noted as having been in continuous operation for 5 years, 2 for 4 years and 2 for 3 years. In 11 cases where results were not held to be satisfactory, complaints were made either of bad odors or of clogging by solids. Clogging is due usually either to faulty construction or to lack of skilled supervision.

If the disposal of the tank liquor is safe and thorough, sullage waters may with advantage be put through the tanks along with domestic sewage. In any event grease, disinfectants, very hot water,

and storm water should be excluded.

In 15 installations oxidizing filters, commonly built of stone, were used for the treatment of tank liquors. These filters may cause nuisance from bad smells and from clogging by solids. They should be ample in capacity, and distribution of the tank liquors must be uniform. Grease is hostile to their good working.

The disposal of the final effluent should be a matter of some concern. If a relatively large volume of water or a highly porous soil is available, no trouble may result, but heavy impervious land is unsuitable for the disposal of these liquids. Care should be taken to avoid the ponding up of putrescible effluents in surface drains. It is not safe to assume that such effluents are pure and innocuous, and where they can not be disposed of without risk of contact with human beings they must be regarded as possible sources of infection.

DEATHS DURING WEEK ENDED NOVEMBER 20, 1926

Summary of information received by telegraph from industrial insurance companies for week ended November 20, 1926, and corresponding week of 1925. (From the Weekly Health Index, November 24, 1926, issued by the Bureau of the Census, Department of Commerce)

Department of Commerce,	Week ended	Corresponding
	Nov. 20, 1926	week, 1925
Policies in force	66, 011, 115	62, 149, 737
Number of death claims	12, 939	11, 965
Death claims per 1,000 policies in force, annual rate	10. 2	10.0

Deaths from all causes in certain large cities of the United States during the week ended November 20, 1926, infant mortality, annual death rate, and comparison with corresponding week of 1925. (From the weekly Health Index, November 24, 1926, issued by the Bureau of the Census, Department of Commerce)

		ded Nov. 1926	Annual death		under 1 ear	Infant mortality
City	Total deaths	Death rate 1	rate per 1,000 cor- respond- ing week, 1925	Week ended Nov. 20, 1926	Corresponding week, 1925	rate, week ended Nov. 20, 1926 3
Total (65 cities)	6, 930	12.6	12.5	732	730	1 50
A kron	43			8	6	84
Albany	33 67	14.5	15. 5	4	5 3 1	80
Atlanta	67			6	3	
White	36			5	1	
Colored	31 225 174	14.5	14.3	1 15	21	4
Baltimore 4	174	14. 5	14.0	10	15	3
Colored	51	(5)		5	6	3
Birmingham	51 56	(5) 13. 8	18.5	12	10	
White	28 28 217	10.0	10.0	6	3	
Colored	28	(6)		6	3 7	
Boston	217	14.4	15.5	25	35	70
Bridgeport	24 147			27	5	34
Buffalo	147	14. 1	14.3	27	21	113
Cambridge	24	10.3	14.4	0 5	3	89 88 50 71 40
Camden	42	16.7	13.4	5	7	84
Canton	15	7.1	12.8	4	7	8
Chicago 4	646	11.1	11.3	59	63	. 8
Cincinnati	134	17.0	16.3	12	10	- 4
Cleveland	186	10.1	10.9	. 18	21	1
ColumbusDallas	69	12.6 15.9	14.0 15.4	9	6 13	8
Dallas	43	15.9	15. 4	5	11	
Colored	18	(1)		A	2	
Dayton	39	(⁸) 11. 5	10.6	5	2 3	78
Denver	82	15.0	13.7	8	8.	
Denver Des Moines	31	11.1	10.3	3	2	70
Detroit	259	10.5	12.4	35	53	56
Duluth	29 30	13. 4	12.7	3	1	5
El Paso	30	14.4	11.9	8	4	
Fall River 6	19 32 24 25 24 2 32 32 56 36			4	1	82
Fall River	32	12.7	13.3	1 2	8	10
First Worth	24	9.1	5. 2 7. 2	4	3	01
White	94	0.0		3	2	
Colored	2	(3)		1	ī	
Grand Rapids	32	10.7	11.6	. 2	6	20
Houston	56			4	4	
White	36			4	4	
Colored	20	13.9		0	0	
ndianapolis	98 87	13.9	15.3	12	4	91
White	87			8		70 229 30 78
Colored	11	10.5		4		220
ersey City. Kansas City, Kans.	64 39	17.4	11.4 11.7	4	10	76
White	31	17. 4	11.7	3	2 2	67
Colored	8	(3)		i	ő	152
Kansas City, Mo	103	(5) 14. 3	15. 5	11	12	
os Angeles	259			15	19	42
ouisville	84	14. 1	9.3	5	4	43
White	69			4	3	39
Colored	15	(8)		1	1	70
.owell-	28		********	3	6	58
ynn.	15	7.5	10.1	4 1 3 6 6 3 3	. 0	159
Memphis	68	20.0	19.4	6	6 2	
White	28	(0)		3	2	*******
Milwaukee	115	11.6	9.7	12	10	57
Minneapolis	97	11.7	11.3	6	13	33

Annual rate per 1,000 population.
 Deaths under 1 year per 1,000 births. Cities left blank are not in registration area for births.
 Data for 63 cities.
 Deaths for week ended Friday, Nov. 19, 1926.
 In the cities for which deaths are shown by color, the colored population in 1920 constituted the following percentages of the total population: Atlanta, 31; Baltimore, 15; Birmingham, 39; Dallas, 15; Fort Worth, 14; Houston, 25; Indianapolis, 11; Kansas City, Kans., 14; Louisville, 17; Memphis, 38; Nashville, 30; New Orleans, 26; Norfolk, 38; Richmond, 32; and Washington, D. C., 25.

Deaths from all causes in certain large cities of the United States during the week ended November 20, 1926, infant mortality, annual death rate, and comparison with corresponding week of 1925—Continued

14		ded Nov. 1925	Annual death rate per		under 1	Infant
City	Total deaths	Death rate	1,000 cor- respond- ing week, 1925	Week ended Nov. 20, 1926	Corresponding week, 1925	rate, week ended Nov. 20, 1926
Nashville 4	63	24.0	17.6	5	5	
White	34			3	2	
Colored	29	(1)		2	3	
New Bedford	31			3	5	5
New Haven	32	9. 2 18. 5	11.7	6	3	
New Orleans	149	18. 5	17.6	18	17	
White	91			10	10	
Colored	58	(1)		8	7	
New York	1, 384	12.2	11.3	135	141	8
Bronx Borough	169	9.8	8.5	15	10	1
Brooklyn Borough	469	10.9	9.8	50	64	1
Manhattan Borough	565	15. 7	15.9	61	56	1
Queens Borough	139	9.5	7.2	7	7	3
Richmond Borough	42	15.3	12.4	2	1 4	3
Newark, N. J.	93	10.6	10.9	11	111	1 1
Norfolk	26	7.8	12.0	3	3	1
White			12.0	1		1 3
Colored	11	(5)			2	1
Oklahoma City.	31	(.)	********	2 7	2	
Omaha	57	13.8	12.8	3	2	
Paterson	36	13.1	9.6	3	ő	1
Philadelphia	530	13.8	13. 2	52	48	
Pittsburgh	158	12.9	12.7	24	12	1
Portland, Oreg	61	12.0	14.1	4	1	
Providence		11.0	10.3	5	8	
Richmond	55	15. 2	16.8	8	5	1 10
White	33	10.2	10.0		1	
Colored	22	(5)		4		1 3
	63	10.2	12.7	6	5	11
Rochester	239	15.0	14.2			
st. Paul	50	10.5	10.0	26	6 2	
Salt Lake City 4.	36	14.1	12.7	5	2	
San Antonio		14.5	13.2	7		1
San Diego	28	13.3			12	
San Francisco	118	10.9	14.8	8	3	
Schenectady		7.3	11.6	. 0	10	1
	13	1.0	11.2	3 2	2	
Seattle	61	0.0	10.0		3	1
Somerville	17 38	8.9 18.2	13.2	2	5	1
Spokane			13.9	4	0	. 1
pringfield, Mass		12.9	16.1	3	5	1. 1
Syracuse Pacoma	56 28	13.8	14.3	7 3	2	
Poledo	60				2	
		10.6	12.0	10	8	
Frenton	51 26	19.8	11.1	9	4	11
Utica	142 91	13. 2 14. 0	15. 4 15. 0	15 9	10	
Colored	- 51	(1)			8	
Waterhory		(4)	*******	6	2	10
WaterburyWilmington, Del	18 22	0.9	0.4	8	1	11
Varantar	37	9.3	9.4	2	5	1
WorcesterYonkers			12.3		8	1
	24	10.8	11.0	2	1	- 1
Youngstown	26	8.2	11.4	5	7	

⁴ Deaths for week ended Friday, Nov. 19, 1926. ⁵ In the cities for which deaths are shown by color, the colored population in 1920 constituted the following percentages of the total population: Atlanta, 31; Bultimore, 15; Birmingham, 39; Dallas, 15; Fort Worth, 14; Houston, 25; Indianapolis, 11; Kansas City, Kans., 14; Louisville, 17; Memphis, 38; Nashville, 36; New Orleans, 26; Norfolk, 38; Richmond, 32; and Washington, D. C., 25.

PREVALENCE OF DISEASE

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring

UNITED STATES

CURRENT WEEKLY STATE REPORTS

These reports are preliminary, and the figures are subject to change when later returns are received by
the State health officers

Reports for Week Ended November 27, 1926

ALABAMA		ARKANSAS—continued	
	a865		ases
Cerebrospinal meningitis		MumpsPellagra	. 7
Chicken pox		Scarlet fever	
Dengue		Smallpox	
Diphtheria		Tuberculosis	
Influenza.	66	Typhoid fever	
Malaria	41	Whooping cough	
Measles	10		90
Mumps	6	CALIFORNIA	
Ophthalmia neonatorum	1	Cerebrospinal meningitis-Los Angeles	2
Pellagra	5	Chicken pox	
Pneumonia	35	Diphtheria	
Scarlet fever	25	Influenza	
Smallpox	7	Measles	
Tetanus	2	Mumps	
Trachoma	3	Poliomyelitis:	100
Tuberculosis	63	Long Beach	1
Typhoid fever	24	Los Angeles County	
Typhus fever	2	Scarlet fever	
Whooping cough	61	Smallpox	9
		Tuberculosis	191
ARIZONA		Typhoid fever	10
Chicken pox	2	Whooping cough	52
Diphtheria	4		
Measles	10	COLORADO	
Scarlet fever	21	Chicken pox	29
Tuberculesis	7	Diphtheria	7
Typhoid fever	1	German measles	1
ARKANSAS		Influenza	2
	-	Measles	5
Chicken pox.	22	Pneumonia	3
Diphtheria	7	Scarlet fever	68
Hookworm disease	2	Smallpox	20
Influenza	68	Tuberculosis	14
Malaria	22	Typhoid fever	4
Measles	3	Whooping cough	3

(2795)

CONNECTICUT	ases	ILLIN'DIS—continued	ases
Chicken pox		Mumps	
		Pneumonia.	
Diphtheria		Poliomyelitis:	433
German measles		Cook County	2
Influenza	_		1
Measles	4	Peoria County	_
Mumps		Scarlet fever	209
Pneumonia (broncho)		Smallpox	3
Pneumonia (lobar)		Tuberculosis	
Scarlet fever		Typhoid fever	
Septic sore throat		Whooping cough	204
Tuberculosis (pulmonary)		INDIANA	
Typhoid sever		Chicken pox	74
Whooping cough	52	Diphtheria	83
DELAWARE		Influenza.	
Chicken pox	3	Measles	47
Pneumonia	2	Pneumonia	
Scarlet fever	10	Scarlet fever.	
Tuberculosis	6	Smallpox	
Typhoid fever	1	Tuberculosis	
Whooping cough	2	Typhoid fever	
		Whooping cough	77
FLORIDA	1		**
Chicken pox	6	IOWA	
Diphtheria		Cerebrospinal meningitis	1
Influenza	1	Chicken pox	72
Malaria	3	Diphtheria	32
Measles	- 5	Measles	9
Mumps	1	Mumps	3
Pneumonia	1	Pneumonia	3
Scarlet fever	15	Scarlet fever.	51
Smallpox	14	Smallpox	3
Tuberculosis	29	Tuberculosis	5
Typhoid fever	5	Typhoid fever	1
Typhus fever	.1	Whooping cough	4
Whooping cough	8		-
GEORGIA	1.7	KANSAS	
Chicken pox	26	Cerebrospinal meningitis:	
Conjunctivitis (acute)	2	Dearing	-1
Diphtheria	58	Topeka	1
Dysentery	2	Chicken pox	
Influenta	50	Diphtheria	18
Malaria	22	Influenza	9
Measies	6	Measles	154
	7	Mumps	4
Pellagra	i		31
Pneumonia	40	Poliomyelitis-Lorraine	1
Scarlet fever	12	2 2 2 2	91
		Smallpox	
Septic sere throat	11	Trachoma	1
Smallpox	16		33
Tuberculosis	22	Typhoid fever.	6
Typhoid fever	15	and the second s	-
Whooping cough	40	in nonjung cough services	00
ILLINOIS		LOUISIANA	
Iblandia		Diphtheria	43
Cerebrospinal meningitis—Cook County	3		12
Chicken pox		Malaria	9
Diphtheria			20
Influenza	24		38
Lethargic encephalitis:		Poliomyelitis	1
Cook County	1	Scarlet fever	18
Fulton County	1	Smallpox	9
Montgomery County	1	Tuberculosis	34
Measles	480	Typhoid fever	12

D M Prosest Tr. W

MAINE		MINNESOTA	
	ases		ases
Chicken pox	82	Chicken pox	
Diphtheria	.1	Diphtheria	
German measles	2	Dysentery	-
Influenza	_	Pneumonia	3
Mumps	1	Scarlet fever	_
Paratyphoid fever	i	Smallpox	
Pneumonia.	16	Tuberculosis	30
Scarlet fever	47	Typhoid fever	3
Tuberculosis	5	Whooping cough	
Typhoid fever	2		
Vincent's angina	1	MISSISSIPPI	
Whooping cough		Diphtheria	30
MARYLAND 1		Scarlet fever	
MARYLAND		Smallpox	6
Cerebrospinal meningitis	1	Typhoid fever	3
Chicken pox	110	MISSOURI	
Diphtherla	49	(Exclusive of Kansas City)	
Dysentery	1		
German measles.	1	Chicken pox	40
Impetigo contagiosa	4	Diphtheria	
Influenza.	17	Epidemic sore throat	3
Lethargic encephalitis	1	Influenza	23
Malaria	1	Measles	51
Measles	21	Mumps	3
Mumps	15	PneumoniaScarlet fever	1
Pneumonia (broncho)	37	Smallpox	-
Pneumonia (lobar)	56	Trachoma	4
Scarlet fever	43	Tuberculosis	46
Septic sore throat	3	Typhoid fever	14
Tuberculosis	39	Whooping cough	20
Typhoid fever.	22		
Wh- wing sough			
Whooping cough	57	MONTANA	
MASSACHUSETTS	57	MONTANA Chicken pox	
MASSACEUSETTS Anthrax	57	MONTANA Chicken pox	2
MASSACHUSETTS Anthrax	1 1	MONTANA Chicken pox Diphtheria Measles	2 172
MASSACHUSETTS Anthrax. Cerebrospinal meningitis Chicken pox.	57 1 1 289	MONTANA Chicken pox Diphtheria Measles Mumps	172 3
MASSACHUSETTS Anthrax Cerebrospinal meningitis Chicken pox Conjunctivitis (suppurative)	57 1 1 289 6	MONTANA Chicken pox	172 2 3
MASSACHUSETTS Anthrax	57 1 1 289 6 87	MONTANA Chicken pox	172 2 2 .1 113
Anthrax. Cerebrospinal meningitis Chicken pox Conjunctivitis (suppurative) Diphtheria German measles	57 1 1 289 6 87 13	MONTANA Chicken pox	2 172 2 .1 113 3
Anthrax. Cerebrospinal meningitis. Chicken pox. Conjunctivitis (suppurative) Diphtleria. German measles. Influenza.	1 1 289 6 87 13 9	MONTANA Chicken pox	2 172 2 .1 113 3 12
Anthrax Cerebrospinal meningitis Chicken pox Conjunctivitis (suppurative) Diphtheria German measles Influenza Lethargie encephalitis	1 1 289 6 87 13 9	MONTANA Chicken pox	2 172 2 .1 113 3 12 1
Anthrax. Cerebrospinal meningitis Chicken pox. Conjunctivitis (suppurative) Diphtheria German measles Influenzs Lethargic encephalitis Measles	57 1 1 289 6 87 13 9 1 51	MONTANA Chicken pox	2 172 2 .1 113 3 12
Anthrax. Cerebrospinal meningitis Chicken pox. Conjunctivitis (suppurative) Diphtl.cria German measles Influenza Lethargic encephalitis Measles Mumps	57 1 1 289 6 87 13 9 1 51	MONTANA Chicken pox	172 2 .1 113 3 12 1 7
Anthrax. Cerebrospinal meningitis. Chicken pox. Conjunctivitis (suppurative) Diphtheris. German measles. Influenza. Lethargic encephalitis. Measles. Mumps. Ophthalmia neonatorum	57 1 1 289 6 87 13 9 1 51 170 32	MONTANA Chicken pox	172 2 .1 113 3 12 1 7
Anthrax. Cerebrospinal meningitis	57 1 1 289 6 87 13 9 1 51 170 32	Chicken pox	2 172 2 .1 113 3 12 1 7
Anthrax. Cerebrospinal meningitis. Chicken pox. Conjunctivitis (suppurative) Diphtheris. German measles. Influenza. Lethargic encephalitis. Measles. Mumps. Ophthalmia neonatorum	57 1 1 289 6 87 13 9 1 51 170 32 51 3	Chicken pox	2 172 2 .1 113 3 12 1 7 58 6
Anthrax. Cerebrospinal meningitis. Chicken pox. Conjunctivitis (suppurative) Diphtleria. German measles. Influenza. Lethargic encephalitis. Measles. Mumps. Ophthalmia neonatorum. Pneumonia (lobar). Poliomyelitis.	57 1 1 289 6 87 13 9 1 51 170 32 51 3	Chicken pox	2 172 2 .1 113 3 12 1 7
Anthrax. Cerebrospinal meningitis Chicken pox Conjunctivitis (suppurative) Diphtleria German measles Influenza Lethargic encephalitis Measles Mumps Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis Scarlet feyer Septic sore throat	57 1 1 289 6 87 13 9 1 51 170 32 51 3 289	Chicken pox. Diphtheria Measles Mumps Poliomyelitis Scarlet fever Smallpox Tuberculosis Typhoid fever Whooping cough NEBRASKA Chicken pox. Diphtheria German measles. Influenza. Measles	2 172 2 .1 113 3 12 1 7 58 6
Anthrax. Cerebrospinal meningitis Chicken pox Conjunctivitis (suppurative) Diphtheria. German measles. Influenza. Lethargie encephalitis Measles. Mumps. Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis Scarlet feyer. Septic sore throat Trachoma.	57 1 1 2899 6 87 13 9 1 51 1170 32 51 3 289 3	Chicken pox	2 172 2 .1 113 3 12 1 7 58 6 1 1 3 9
Anthrax. Cerebrospinal meningitis	57 1 1 1 289 6 87 13 9 1 51 170 32 51 3 289 3 1	Chicken pox	2 172 2 .1 113 3 12 1 7 58 6 1 1 1 3 9 1
Anthrax. Cerebrospinal meningitis Chicken pox Conjunctivitis (suppurative) Diphtheria. German measles Influenza. Lethargic encephalitis Measles. Mumps. Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis Scarlet feyer Septic sore throat Trachoma Tuberculosis (pulmonary). Tuberculosis (other forms) Typhoid fever	57 1 1 1 289 6 87 13 9 1 170 32 289 3 1 181 299 6	Chicken pox Diphtheria Measles Mumps Poliomyelitis Scarlet fever Smallpox Tuberculosis Typhoid fever Whooping cough NEBRASKA Chicken pox Diphtheria German measles Influenza Measles Mumps Pneumonia Poliomyelitis	2 172 2 1 1 113 3 12 1 7 58 6 1 1 3 9 1
Anthrax. Cerebrospinal meningitis Chicken pox Conjunctivitis (suppurative) Diphtheria. German measles Influenza. Lethargic encephalitis Measles. Mumps. Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis Scarlet feyer Septic sore throat Trachoma Tuberculosis (pulmonary). Tuberculosis (other forms) Typhoid fever	57 1 1 1 289 6 87 13 9 1 170 32 289 3 1 181 299 6	Chicken pox	2 172 2 113 3 12 1 7 58 6 1 1 1 3 9 1 1 27
Anthrax. Cerebrospinal meningitis. Chicken pox. Conjunctivitis (suppurative) Diphtl.eria. German measles. Influenza. Lethargic encephalitis. Measles. Mumps. Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis. Scarlet feyer Septic sore throat. Trachoma. Tuberculosis (pulmonary). Tuberculosis (other forms). Typhoid fever. Whooping cough.	57 1 1 1 289 6 87 13 9 1 170 32 289 3 1 181 299 6	Chicken pox	2 172 2 .1 113 3 12 1 7 58 6 1 1 3 9 1 1 27 17
Anthrax. Cerebrospinal meningitis Chicken pox Conjunctivitis (suppurative) Diphtheria German measles Influenza Lethargic encephalitis Measles Mumps Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis Scarlet feyer Septic sore throat Trachoma Tuberculosis (pulmonary) Tuberculosis (other forms) Typhoid fever Whooping cough	57 1 1 289 6 87 13 9 1 51 170 32 51 3 3 289 3 1 81 29 6 6 1228	Chicken pox	2 172 2 .1 113 3 12 1 7 58 6 1 1 3 9 1 1 27 17 43
Anthrax. Cerebrospinal meningitis Chicken pox Conjunctivitis (suppurative) Diphtheria. German measles Influenza. Lethargie encephalitis Measles. Mumps. Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis Scarlet feyer. Septic sore throat Trachoma. Tuberculosis (pulmonary). Tuberculosis (other forms) Typhoid fever. Whooping cough MICHIGAN Diphtheria.	57 1 1 1 289 6 87 13 9 1 51 170 32 25 3 3 1 81 29 6 6 87 13 9 1 10 10 10 10 10 10 10 10 10	Chicken pox. Diphtheria Measles Mumps Poliomyelitis Scarlet fever Smallpox Tuberculosis Typhoid fever Whooping cough NEBRASKA Chicken pox. Diphtheria German measles Influenza. Measles Mumps Pneumonia Poliomyelitis Scarlet fever Smallpox Typhoid fever	2 172 2 .1 113 3 12 1 7 58 6 1 1 3 9 1 1 27 17 43
Anthrax. Cerebrospinal meningitis	57 1 1 1 2899 6 87 13 9 1 51 51 32 51 3 3 1 181 299 6 6 128	Chicken pox	2 172 2 .1 113 3 12 1 7 58 6 1 1 3 9 1 1 27 17 43
Anthrax. Cerebrospinal meningitis. Chicken pox. Conjunctivitis (suppurative) Diphtheria. German measles. Influenza. Lethargic encephalitis. Measles. Mumps. Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis. Scarlet feyer Septic sore throat. Trachoma. Tuberculosis (pulmonary). Tuberculosis (other forms). Typhoid fever. Whooping cough. MICHIGAN Diphtheria. Measles. Pneumonia.	57 1 1 1 2899 6 87 13 9 1 51 170 32 51 3 3 1 81 29 6 6 128	Chicken pox. Diphtheria Measles Mumps Poliomyelitis Scarlet fever Smallpox Tuberculosis Typhoid fever Whooping cough NEBRASKA Chicken pox Diphtheria German measles Influenza Measles Mumps Pneumonia Poliomyelitis Scarlet fever Smallpox Typhoid fever	2 172 2 .1 113 3 12 1 7 58 6 1 1 1 3 9 1 1 17 17 17 17 17 17 143 1
Anthrax. Cerebrospinal meningitis. Chicken pox. Conjunctivitis (suppurative) Diphtheria. German measles. Influenza. Lethargic encephalitis. Measles. Mumps. Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis. Scarlet feyer. Septic sore throat. Trachoma. Tuberculosis (pulmonary). Tuberculosis (other forms). Typhoid fever. Whooping cough. MICHIGAN Diphtheria. Measles. Pneumonia. Scarlet fever. 2	57 1 1 1 2899 6 87 13 9 1 51 1700 322 51 3 3 1 81 9 6 6 1228 1228 1228	Chicken pox	2 172 2 .1 113 3 12 1 7 58 6 1 1 1 27 17 43 1
Anthrax. Cerebrospinal meningitis Chicken pox Conjunctivitis (suppurative) Diphtheria. German measles Influenza. Lethargie encephalitis Measles. Mumps. Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis Scarlet feyer Septic sore throat Trachoma Tuberculosis (pulmonary). Tuberculosis (other forms) Typhoid fever Whooping cough MICHIGAN Diphtheria. Measles Pneumonia. Scarlet fever Searlet fever Searlet fever Searlet fever Scarlet fever Scarlet fever Scarlet fever Scarlet fever Scarlet fever Scarlet fever	57 1 1 1 289 6 87 13 9 1 151 170 3 32 289 6 128 1 128 1 29 6 66 9 204 9	Chicken pox. Diphtheria Measles Mumps Poliomyelitis Scarlet fever Smallpox Tuberculosis Typhoid fever Whooping cough NEBRASKA Chicken pox. Diphtheria German measles. Influenza. Measles Mumps Pneumonia. Poliomyelitis Scarlet fever Smallpox Typhoid fever Whooping cough	2 172 2 .1 113 3 12 1 7 58 6 1 1 1 3 9 1 1 1 2 7 17 17 43 1
Anthrax. Cerebrospinal meningitis Chicken pox. Conjunctivitis (suppurative) Diphtheria German measles Influenza Lethargie encephalitis Measles Mumps Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis Scarlet feyer Septic sore throat Trachoma Tuberculosis (pulmonary) Tuberculosis (other forms) Typhoid fever Whooping cough MICHIGAN Diphtheria Measles Pneumonia. Scarlet fever Searlet fever Septic sore throat Trachoma Tuberculosis (other forms) Typhoid fever Whooping cough MICHIGAN Diphtheria Measles Pneumonia. Scarlet fever Smallpox Tuberculosis	57 1 1 1 289 6 87 13 9 1 51 170 3 2289 3 1 181 29 6 6 87 1 29 6 6 6 9 29	Chicken pox. Diphtheria Measles Mumps. Poliomyelitis Scarlet fever Smallpox. Tuberculosis Typhoid fever Whooping cough NEBRASKA Chicken pox. Diphtheria German measles. Influenza. Measles Mumps. Pneumonia. Poliomyelitis Scarlet fever Smallpox Typhoid fever Whooping cough NEBRASKA Chicken pox. Diphtheria Cereman measles. Influenza. Measles Mumps Pneumonia Poliomyelitis Scarlet fever Smallpox Typhoid fever Whooping cough NEW JERSEY Cerebrospinal meningitis Chicken pox. Diphtheria	2 172 2 .1 113 3 12 1 7 58 6 1 1 1 27 17 43 1 1 173 140
Anthrax. Cerebrospinal meningitis Chicken pox. Conjunctivitis (suppurative) Diphtheria German measles Influenza Lethargie encephalitis Measles Mumps Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis Scarlet feyer Septic sore throat Trachoma Tuberculosis (pulmonary) Tuberculosis (pulmonary) Tuberculosis (other forms) Typhoid fever Whooping cough MICHIGAN Diphtheria Measles Pneumonia Scarlet feyer Smallpox Tuberculosis Typhoid fever Tuberculosis	57 1 1 289 6 87 13 9 1 170 32 51 3 2289 3 1 1 81 229 6 6 69 4 9 9 5	Chicken pox. Diphtheria Measles Mumps. Poliomyelitis Scarlet fever Smallpox Tuberculosis Typhoid fever Whooping cough NEBRASKA Chicken pox. Diphtheria German measles Influenza Measles Mumps. Pneumonia Poliomyelitis Scarlet fever Smallpox Typhoid fever Whooping cough NEBRASKA Chicken pox. Diphtheria German measles Influenza Measles Mumps Pneumonia Poliomyelitis Scarlet fever Smallpox Typhoid fever Whooping cough NEW JERSEY Cerebrospinal meningitis Chicken pox Diphtheria Influenza	2 172 2 113 3 3 12 1 7 58 6 1 1 1 27 17 43 1 1 173 140 11
Anthrax. Cerebrospinal meningitis Chicken pox Conjunctivitis (suppurative) Diphtheria German measles Influenza Lethargie encephalitis Measles Mumps Ophthalmia neonatorum Pneumonia (lobar) Poliomyelitis Scarlet feyer Septic sore throat Trachoma Tuberculosis (pulmonary) Tuberculosis (pulmonary) MICHIGAN Diphtheria Measles Pneumonia. Scarlet fever Septic sore throat Trachoma Tuberculosis (pulmonary) Tuberculosis (pulmonary) MICHIGAN Diphtheria Measles Pneumonia. Scarlet fever Semallpox Tuberculosis	57 1 1 289 6 87 13 9 1 170 32 51 3 2289 3 1 1 81 229 6 6 69 4 9 9 5	Chicken pox. Diphtheria Measles Mumps. Poliomyelitis Scarlet fever Smallpox. Tuberculosis Typhoid fever Whooping cough NEBRASKA Chicken pox. Diphtheria German measles. Influenza. Measles Mumps. Pneumonia. Poliomyelitis Scarlet fever Smallpox Typhoid fever Whooping cough NEBRASKA Chicken pox. Diphtheria Cereman measles. Influenza. Measles Mumps Pneumonia Poliomyelitis Scarlet fever Smallpox Typhoid fever Whooping cough NEW JERSEY Cerebrospinal meningitis Chicken pox. Diphtheria	2 172 2 113 3 3 12 1 7 58 6 1 1 1 27 17 43 1 1 173 140 11

NEW JERSEY—continued	ases	OKLAHOMA—continued	ases
Pneumonia	85	Scarlet fever	. 26
Poliomyelitis	1	Smallpox-McCurtain County 2	. 55
Scarlet fever		Typhoid fever	. 37
Trachoma		Whooping cough	
Typhoid fever			,,,,,,
Whooping cough		OREGON	
whooping cough	410	Ossados	
NEW MEXICO		Cerebrospinal meningitis	. 1
Chicken por	5	Chicken pox.	
Diphtheria	-	Diphtheria	
German measles		Influenza	
Measles	3	Measles	
Mumps	-		
Pneumonia.		Mumps	
	-	Pneumonia 3	
Scarlet fever		Scarlet fever	
Tuberculosis		Smallpox	
Typhoid fever		Tuberculosis 3	4
Whooping cough	5	Typhoid fever	3
NEW YORK		Whooping cough	8
(Exclusive of New York City)		PENNSYLVANIA	
Cerebrospinal meningitis.		Anthrax-Philadelphia	1
Chicken pox		Chicken pox.	
Diphtheria	91	Diphtheria	
Dysentery	1		
German measles		German measles	
Influenza		Impetigo contagiosa	14
Measles .	-	Lethargic encephalitis:	
Mumps		Philadelphia	2
Pneumonia		Warren	1
		Measles	504
Poliomyelitis	7	Mumps	80
Scarlet fever		Ophthalmia neonatorum—Philadelphia	
Septic sore throat	4	Pneumonia	52
Smallpox	3	Poliomyelitis:	-
Tetanus	1	Lansdale	1
Typhoid fever	32	Philadelphia	1
Vincent's angina	18	Scabies	- 1
Whooping cough	217		9
		Scarlet fever	
NORTH CAROLINA		Tuberculosis	
Cerebrospinal meningitis	1	Typhoid fever	
Chicken pox		Whooping cough	285
Diphtheria			
German measles		RHODE ISLAND	
	1	Chi.b.	
Malaria	1	Chicken por	8
Measles	9	Diphtheria	11
Scarlet fever	84	German measles	3
Septic sore throat	2	Influenza	1
Smallpox	42.	Mumps	1
Typhoid fever	6	Ophthalmia neonatorum	1
Whooping cough	243	Pneumonia	1
		Scarlet fever	21
OKLAHOMA		Tuberculosis	6
(Exclusive of Oklahoma City and Tulsa)		Whooping cough	7
Cerebrospinal meningitis-Creek County	1		
Chicken pox		SOUTH DAKOTA	
Diphtheria		Chicken pox	16
			1
Influenza		Influenza	
Malaria		Measles	29
Measles		Pneumonia	3
December of a	69	Scarlet fever	36
Pneumonia			
Poliomyelitis:		Smallper	3
	1	SmallpoxTyphoid fever	3

TENNESSEE		WASHINGTON—continued	
Ca			ases
Chicken pox.	17	Scarlet fever	82
Diphtheria	86	Smallpox	20
Dysentery	2	Tuberculosis	10
Influenza	51	Typhoid fever	
Lethargic encephalitis-Hamilton County	1	Whooping cough	
Malaria	7		
Measles	16	WEST VIRGINIA	
Ophthalmia neonatorum	2	Chicken pox	60
		Diphtheria	
Pellagra	5	Influenza	
	34		
	58	Measles	
8mallpox	6	Poliomyelitis-Clay	
Tuberculosis	12	Scarlet fever	
Typhoid fever	25	Smallpox	
Wheoping cough	44	Tuberculosis	
		Typhoid fever.	28
TEXAS		Whooping cough	43
Chicken pox	4		
	62	WISCONSIN	
Influenza	7	Milwaukee:	
Measles	1	Chicken pox	80
Pneumonia	9	Diphtheria	
	37	German measles	2
	- 1	Lethargic encephalitis.	1
Smallpox	1	Measles.	8
Tuberculosis	7		
Typhoid fever	2	Mumps	
Whooping cough	9	Pneumonia	
DTAN		Poliomyelitis	1
		Scarlet fever	12
Chicken pox	59	Tuberculosis	10
Diphtheria	9	Whooping cough	53
German measles	6	Scattering:	
Measles	08	Cerebrospinal meningitis	2
Mumps	14	Chicken pox	250
Ppeumonia	5	Diphtheria	
	19	German measles	
Smallpox	5	Influenza.	
Typhoid fever	2	Measles	
	2		
Whooping cough	- 1	Mumps	
VERMONT	- 1	Pneumonia	
Chicken pox	7	Poliomyelitis	
Diphtheria.	2	Scarlet fever	109
Measles 1	- 1	Smallpox	5
		Tuberculosis	17
Mumps		Typhoid fever	4
Scarlet fever	2	Whooping cough	126
Whooping cough	26		
VIRGINIA		WYOMING	
		Cerebrospinal meningitis-Hot Springs	
Poliomyelitis-Wythe County	2		
WARNOON	- 1	County	1
WASRINGTON		Chicken pox	41
Chicken pox 13	33	Diphtheria	1
Diphtheria	35	Dysentery (amebic)	1
Favus	3	Measles	8
German measles	3	Pneumonia	2
	70	Scarlet fever	22
	28	Smallpox	5
Poliomyelitis	1	Whooping cough	12
a various Clinio		mod and confine constructions	

Reports for Week Ended November 20, 1926

DISTRICT OF COLUMBIA	NORTH DAKOTA—continued
Cases	Cases
Chicken pox	Tuberculosis 1
Diphtheria 15	Typhoid fever 1
Measles 5	SOUTH CAROLINA
Pneumonia 17	Chicken pox
Scarlet fever 5	Dengue 4
Tuberculosis 24	Diphtheria
Typhoid fever 2	Hookworm disease
Whooping cough 9	Influenza 602
NORTH DAKOTA	Malaria 280
	Measles 9
Cerebrospinal meningitis 1	Paratyphoid fever
Chicken pox	Pellagra 28
Diphtheria 7	Poliomyelitis 2
German measles 5	Scarlet fever
Measles 150	Smallpox 6
Pneumonia 3	Tuberculosis
Scarlet fever 52	Typhoid fever
Smallpox 7	Whooping cough 41

SUMMARY OF MONTHLY REPORTS FROM STATES

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

State	Cere- bro- spinal menin- gitis	Diph- theria	Influ- enza	Ma- laria	Mea- sles	Pel- lagra	Polio- mye- litis	Scarlet fever	Small- pox	Ty- phoid fever
October, 1926										
Illinois	8 3	493	72	10	615	0	24	816	5	386
Kansas	3	134	8	1	256	0	10	266	15	77
Louisiana	2	158	62	217	1	24	2	53	4	111
Maine	1	21	27	0	255	0	3	120	0	29
Maryland	2	137	46	0	23	0	5	166	13	204
Minnesota	- 0	346	8	1 1	320		-	949	13	38
Missouri	4	308	44	12	72		.,	435	55	221
North Carolina	1	810		47	81		16	388		209
Ohio	4	875	20	1	87		23	880	44	296
Oklahoma 1	4	179	313	521	22	27	. 6	118	38	45
South Dakota	0	37	0		315		5	180	4	18
West Virginia	0	264	72		78		- 0	352	4	344

¹ Exclusive of Tulsa and Oklahoma City.

October, 1926

Actinomycosis:	Cases	Conjunctivitis: Ca	ises
Illinois	1	Maine	1
Chicken pox:		Dengue:	
Illinois	652	Oklahoma 1	3
Kansas	197	Dysentery:	
Louisiana	1	Illinois	53
Maine		Louisiana	10
Maryland	114	Maryland	20
Minnesota	388	North Carolina	-1
Missouri	124	Ohio	2
North Carolina	63	Oklahoma 1	28
Ohio	751	German measles:	
Oklahoma 1	22	Illinois	22
South Dakota	33	Kansas	2
West Virginia		Maine	4

Exclusive of Oklahoma City and Tulsa.

	ases		2569
Maryland		Maryland	
North Carolina		Missouri	. 5
Ohio	19	Scabies:	
Hookworm disease:		Oklahoma 1	1
Louisiana	91	Septic sore throat:	
Impetigo contagiosa:		Illinois	9
Maine	14	Kansas	2
Maryland	2	Maine	
Lead poisoning:	_	Maryland	
Illinois	23	Missouri	4
Ohio	14	North Carolina	11
Leprosy:	**	Ohio	
Louislana	1	Tetanus:	•
		Illinois	
Lethargic encephalitis:	10		1
Illinois	12	Kansas	1
Kansas	2	Maryland	2
Louisiana	1	Ohio	3
Maryland	2	Oklahoma 1	2
Minnesota	2	South Dakota	1
Ohio	1	Trachoma:	
Mumps:		Illinois	2
Illinois	120	Minnesota	1
Kansas	25	Missouri	15
Louisiana	2	Ohio	6
Maine	23	Oklahoma 1	11
Maryland	40	South Dakota	8
Missouri	16	Trichinosis:	0
Ohio	70	Illinois	1
	5		1
Oklahoma 1	-	Typhus fever:	
South Dakota	1	Maryland	1
Ophthalmia neonatorum:		Vincent's angina:	
Illinois	46	Main .	2
Missouri	2	Maryland	. 1
North Carolina	1	Whooping cough: Illinois	-
Ohio	87	A SECTION OF THE PROPERTY OF T	
Oklahoma 1	5	KansasLouisiana	100
Paratyphoid fever:			171
Illinois	4	Maine	
Kansas	1	Maryland	
Ohio	4	Minnesota	
Puerperal septicemia:		Missouri North Carolina	
Illinois	5	Ohio	
Ohjo	1		54
		Oklahoma ¹ South Dakota	70
Plague (bubonic)	2		214
Louisiana (imported)	2 1	West Virginia	213

RECIPROCAL NOTIFICATIONS

Notifications regarding communicable diseases sent during the month of October, 1926, to other State health departments by departments of health of certain States

Referred by—	Acti- nomy- eosis	Diph- theria	Melaria	Polio- mye- litis	Scarlet fever	Tra- choma	Tuber- culosis	Ty- phoid fever	Small- pox	Vin- cent's angina
California		1					1			
llinois Minnesota New Jersey	2		1		1	1	31	7	2	
New York		2		1	2			6	1	

GENERAL CURRENT SUMMARY AND WEEKLY REPORTS FROM CITIES

Diphtheria.—For the week ended November 13, 1926, 40 States reported 2,568 cases of diphtheria. For the week ended November 14, 1925, the same States reported 2,180 cases of this disease. One hundred cities, situated in all parts of the country and having an aggregate population of more than 30,300,000, reported 1,328 cases of diphtheria for the week ended November 13, 1926. Last year for the corresponding week they reported 965 cases. The estimated expectancy for these cities was 1,380 cases. The estimated expectancy is based on the experience of the last nine years, excluding epidemics.

Measles.—Thirty-nine States reported 3,613 cases of measles for the week ended November 13, 1926, and 2,440 cases of this disease for the week ended November 14, 1925. One hundred cities reported 615 cases of measles for the week this year, and 969 cases last year.

Poliomyelitis.—The health officers of 40 States reported 52 cases of poliomyelitis for the week ended November 13, 1926. The same States reported 78 cases for the week ended November 14, 1925.

Scarlet fever.—Scarlet fever was reported for the week as follows: Forty States—this year, 3,592 cases; last year, 2,832 cases; 100 cities—this year, 1,208 cases; last year, 1,044 cases; estimated expectancy, 919 cases.

Smallpox.—For the week ended November 13, 1926, 40 States reported 377 cases of smallpox. Last year for the corresponding week they reported 293 cases. One hundred cities reported smallpox for the week as follows: 1926, 32 cases; 1925, 46 cases; estimated expectancy, 38 cases. No deaths from smallpox were reported by these cities for the week this year.

Typhoid fever.—Six hundred and forty-seven cases of typhoid fever were reported for the week ended November 13, 1926, by 40 States. For the corresponding week of 1925 the same States reported 675 cases of this disease. One hundred cities reported 120 cases of typhoid fever for the week this year and 65 cases for the corresponding week last year. The estimated expectancy for these cities was 104 cases.

Influenza and pneumonia.—Deaths from influenza and pneumonia were reported for the week by 95 cities with a population of more than 29,730,000, as follows: 1926, 682 deaths; 1925, 803 deaths.

City reports for week ended November 13, 1926

The "estimated expectancy" given for diphtheria, poliomyelitis, scarlet fever, smallpox, and typhoid fever is the result of an attempt to ascertain from previous occurrence how many cases of the disease under consideration may be expected to occur during a certain week in the absence of epidemics. It is based on reports to the Public Health Service during the past nine years. It is in most instances the median number of cases reported in the corresponding week of the preceding years. When the reports include several epidemics or when for other reasons the median is unsatisfactory, the epidemic periods are excluded and the estima ted expectancy is the mean number of cases reported for the week during nonepidemic years

If reports have not been received for the full nine years, data are used for as many years as possible, but no year earlier than 1917 is included. In obtaining the estimated expectancy the figures are smoothed when necessary to avoid abrupt deviations from the usual trend. For some of the diseases given in the table the available data were not sufficient to make it practicable to compute the estimated expectancy.

	1		Diph	theria	Infle	ienza	1									
Division, State, and city	July 1, 1925,	July 1, 1925,	July 1, 1925,	July 1, 1925,	July 1, 1925,	July 1, 1925,	July 1, 1925,	July 1, 1925,	Chick- en pox, cases re- ported	Cases, esti- mated expec- tancy	Cases re- ported	Cases re- ported	Deaths re- ported	Mea- sles, cases re- ported	Mumps, cases, re- ported	Pneu- monia, deaths re- ported
NEW ENGLAND			1		-											
Maine:			4		11.24	100	. 4		100							
Portland	75, 333	17	3	0	0	0	1	0								
New Hampshire:				13												
Concord Manchester	22, 546	0	0	0	0	0	0	0	1							
Nashua	83, 007 29, 723	0	1	0	0	1 0	0	0								
Vermont:	20, 120		1112													
Barre	10,008	4	0	0	0	- 0	3	0								
Burlington	24, 089	2	. 0	0	0	0	0	0	(
Massachusetts:		-					-	-	-							
Boston	779, 620	83	61	30	5	0	7	31	13							
Fall River Springfield	128, 993 142, 065	9	4	5	0	Ô	2	i	i							
Worcester	190, 757	20	7	9	2	0	0	1								
Rhode Island:																
Pawtucket	69, 760	9	1	0	0	0	0	0	1							
Providence Connecticut:	267, 918	0	9	7	0	0	0	0								
Bridgeport	(1)	2	10	3	1	0	0	1	9							
Hartford	160, 197	6	10	1	2	0	0	0	2							
New Haven	178, 927	9	4	0	1	0	0	0	1							
MIDDLE ATLANTIC						0 - 1		6								
New York:			1.		Mill I				11-							
Buffalo	538, 016	31	26	12		1	0	1	16							
New York	5, 873, 356	119	188	160	45	12	15	87	121							
Rochester	316, 786	7	12	4		1	3	0	4							
Syracuse	182, 003	2	13	3		0	12	1	2							
New Jersey: Camden	128, 642	6	7	17	0	0	0	0	4							
Newark	452, 513	22	16	9	8	0	3	13	11							
Trenton	132, 020	2	6	2	0	1	0	0								
Pennsylvania:		_														
Philadelphia	1, 979, 364	73	81	83	1	5	52	0	45 18							
Pittsburgh Reading	631, 563 112, 707	62	39	36		1 0	0	0	4							
Scranton	142, 266	0	5	5		ő	ő	ő	8							
EAST NORTH CENTRAL																
041																
Ohio: Cincinnati	409, 333	14	23	11	0	2	9	7								
Cleveland	936, 485	43	52	101	ő	î	5	3	. 9							
Columbus	279, 836	15	. 6	19	0	0	0	0	6							
Toledo	279, 836 287, 380	98	17	6	0	0	1	0	4							
Indiana:																
Fort Wayne	97, 846	4	3	11	0	1	0	0	13							
Indianapolis	358, 819	49	11 3	38	0	1 0	6	0	18							
South Bend Terre Haute	80, 091 71, 071	7	3	0	0	0	1	0	i c							
llinois:	11,0/1	'	3	0	0	3		0								
Chicago	2, 995, 239	122	163	63	7	4	113	20	44							
Peoria Springfield	81, 564	8	2 3	0	0	1	0	10								
Springfield	63, 923	10	3	4	1	1	6	0	4							

¹ No estimate made.

			Diph	theria	Influ	ienza			-
Division, State, and city	Population July 1, 1925, estimated	Chick- en pox, cases re- ported	Cases, esti- mated expec- tancy	Cases re- ported	Cases re- ported	Deaths re- ported	Mea- sles, cases re- ported	Mumps, cases, re- ported	Pneu- monia, deaths re- ported
EAST NORTH CENTRAL— continued									
Michigan:	1 042 004	101	71	106	4	3	5	19	31
Detroit	1, 245, 824 130, 316	101 39	14	6	0	0	0	0	2
Flint	153, 698	4	8	0	0	0	1	0	1
Wisconsin: Kenosha	50, 891	7	3	0	0	0	2	2	3
Madison	46, 385 309, 192	15 99	32	13	0	0	1 6	38	8
Racine	67, 707	13	2	3	0	0	0	6	
Superior	39, 671	0	1	9	0	0	0	0	2
WEST NORTH CENTRAL									
Minnesota:						0	57	0	3
Duluth Minneapolis	110, 502 425, 435	125	31	39	0	1	6	1	7
St. Paul	246, 001	34	21	3	0	2	3	0	
Iowa: Davenport	52, 469	0	2	1	0		1	1	
Des Moines	141, 441	0	7	7	0		0	0	
Sioux City Waterloo	76, 411 36, 771	67	0	0	0		1	0	
Missouri:						2	1	5	` 11
Kansas City	367, 481 78, 342	36	15	14	2 0	0	0	0	1
St. Joseph St. Louis	821, 543	19	57	46	1	1	1	1	
North Dakota:	26, 403	23	0	0	0	0	1	4	1
Fargo South Dakota:									
Aberdeen	15, 036 30, 127	8	0	0	0		1 0	0	
Nebraska:									
Lincoln	60, 941 211, 768	8 6	10	0 2	0	. 0	0 2	0	1
Kansas:								0	2
Topeka	55, 411 88, 367	26 9	3	0	0	0	0	0	i
SOUTH ATLANTIC			- 1			-		97	
Delaware:									
Wilmington Maryland:	122, 049	3	4	3	0	0	. 1	0	
Baltimore	796, 296	47	35	35	5	3	2	3	22
Cumberland Frederick	33, 741 12, 035	0	1	1	0	0	0	0	
District of Columbia:			33					0	
Washington Virginia:	497, 906	16	26	68	3	2	0		
Lynchburg	30, 395	2	2	3	0	1	0	1	3
Norfolk	186, 403	8 2	18	8 22	0	0	1 4	1	9
Roanoke	58, 208	0	5	3	0	1	0	1	
West Virginia: Charleston	49, 019	5	4	1	1	0	0	0	3
Huntington	63, 485	0	3	13	0		0	0	
North Carolina:	56, 208	11	4	2	0	0	2	0	,
Raleigh	30, 371	1	3	5	0	0	0	0	. 0
Wilmington	37, 061 69, 031	2	1 2	3	0	0	0	0	1
Winston-Salem South Carolina:								-	
Charleston Columbia	73, 125 41, 225	0	3 2	1	38	1 0	0	0	1
Greenvillo	27, 311	2	2	i	0	0	ő	0	
Georgia:			10	21	19	0	3	1	9
Atlanta	16, 809	0	10	31		0	0	1	(
Savannah	93, 134	0	4	1 2	11	0	0	0	1 3

¹ No estimate made.

			Diph	theria .	Infly	ienza			_
Division, State, and city	Population July 1, 1925, estimated	Chick- en pox, cases re- ported	Cases, esti- mated expec- tancy	Cases re- ported	Cases re- ported	Deaths re- ported	Mea- sles, cases re- ported	Mumps, cases re- ported	Pneu- monia, deaths re- ported
SOUTH ATLANTIC—con.									
Florida: Miami	69, 754	0		3	1	0	0	0	,
St. Petersburg Tampa	26, 847 94, 743	2	0	5	0	0		0	1 2
EAST SOUTH CENTRAL									
Kentucky:			// -						75
Covington Louisville	58, 309 305, 935	1 5	3 13	5 7	0	0	0	0	8
Tennessee: Memphis Nashville	174, 533 136, 220	7	15 5	11 16	0	0 2	0	0	6 7
Alabama:			1						
Birmingham Mobile	205, 670 65, 955	2 0	7 2	7	4 0	2	0	2 0	81
Montgomery	46, 481	ĭ	2	4	- 1	ō	ő	ő	Ô
WEST SOUTH CENTRAL						18	-	-77.	
Arkansas: Fort Smith	91 643	0		3	0		0	0	
Little RockLouisiana:	31, 643 74, 216	ő	1 4	0	ő		1	ő	i
New Orleans Shreveport	414, 493 57, 857	2 0	13	16 8	14	12	0	0	12
Oklahoma City	(1)	0	5	2	0	0	0	0	1
Texas: Dallas	194, 450	0	14	43	3	2	3	1	2
Galveston Houston San Antonio	48, 375 164, 954 198, 069	0	5 4	0 17 1	0	2 0 1 0	0	0	2 0 8 2
MOUNTAIN	130,000								17
Montana:						13		- 50	
Billings	17, 971 29, 883 12, 037	7	0	0	0	0	36	0	0
Great Falls	29, 883	7 7 0	1 0	0	0	0	0	0	0 3 0 1
Missoula	12, 668	10	0	0	0	0	0	0	1
Idahq: Boise	23, 042	4	0	0	0	. 0	0	0	0
Colorado:					-	1000	-	7	. 6
Denver Pueblo	280, 911 43, 787	3	15	13	0	1 2	11	0	4
New Mexico:			-						1
Albuquerque	21, 000	1	0	0	0	0	0	0	
PhoenixUtah:	38, 669	0	0	0	0	0	0	0	1
Salt Lake City	130, 948	18	4	7	0	0	119	1	9
Nevada: Reno	12, 665	0	0	0	0	0	0	0	0
PACIFIC					-/-	- 1			
Washington:									
SeattleSpokane	109 907	31 25	6	9	0		35	13	
Тасопа	108, 897 104, 455	11	3	7	0	0	0	0	4
Oregon: Portland	282, 383	13	11	8	0	0	8	0	11
California:					-				
Los Angeles Sacramento	72 260	24	42	57	9	2	21	11	19
San Francisco	72, 260 557, 530	22	17	12	0	1	43	22	3

¹ No estimate made.

	Scarle	t fever		Smallpo	X	Thut	Ту	phoid f	ever	Whoop-	
Division, State, and city	Cases, esti- mated expect- ancy	Cases re- ported	Cases, esti- mated expect- ancy	Cases re- ported	Deaths re- ported	Tuber- culosis, deaths re- ported	esti- mated	Cases re- ported	Deaths re- ported	ing cough, cases re- ported	Deaths, all causes
NEW ENGLAND											
Maine:										_	
Portland	1	0	0	0	0	0	0	1	0	7	21
New Hampshire: Concord	1	0	0	0	0	0	0	0	0	0	15
Manchester	1	0	0	0	0	2 0	0	0	0	0	21
Nashua	1	1	0	0	0	0	0	0	0	0	
Vermont: Barre	0	0	0	0	0	0	0	0	0	2	0
Burlington	i	0	0	ő	ő	1	0	0	o o	3	3
Massachusetts:								1			
Boston 1	37	79	0	0	0	12	2	3	1	23 13	203
Fall River Springfield	2 6	1 2	0	0	0	3	0	0	0	2	28
Worcester	9	28	0	ő	ő	ô	0	Ö	0	0	43
Rhode Island:									1112		
Pawtucket	1	. 2	0	0	0	1	0	0	0	0 2	13 60
Providence Connecticut:	5	12	0	0	0	3	1	0	0	2	00
Bridgeport	7	13	0	0	0	2	0	0	. 0	3	22
Bridgeport Hartford	6	10	0	0	0	0	0	0	0	6	45
New Haven	6	2	0	0	0	1	1	0	0	1	45
MIDDLE ATLANTIC											
New York:											
Buffalo	17	11	0	0	0	10	2	5	0	17	136
New York	95	134	0	0	0	2 107	20	24	4	128	1, 360
Rochester Syracuse	7	5	0	0	0	2	1	0	0	3	62 41
New Jersey:											
Camden	3	10	0	0	0	1	0	1	0	0	21
Newark Trenton	13	14	0	0	0	5 2	1	0 3	0	22	109 47
Pennsylvania:	-		0	0	0	2		0	1	9	41
Philadelphia	61	50	0	0	0	40	6	9	1	37	470
Pittsburgh	38	16	0	0	0	7	1	0	2	10	151
Reading Scranton	2 2	11	0	0	0	0	0	0	0	8 5	31 51
EAST NORTH CENTRAL					2						
								/			
Ohio: Cincinnati	13	6	0	0	0	10	1	,	0	3	120
Cleveland	25	16	0	0	0	15	3	1 2	0	25	189
Columbus	9	9	0	4	0	6	1	0	0	2	90
Toledo	11	7	0	0	0	9	1	3	0	22	66
Fort Wayne	1	1	0	0	0	0	1	0	0	1	28
Indianapolis	10	24	2 0	8	ő	0 5	1 1	01	0	14	99
South Bend	3	0		0	0	0	0	0	0	0	8
Terre Haute	4	7	1	0	0	0	0	0	0	5	8
Chicago	104	87	1	0	0	25	6	3	0	54	595
Peoria	7	3	ô	0	0	2	0	0	0	0	28
Springfield	2	0	0	0	0	0	0	0	0	. 0	29
Michigan: Detroit	65	76	2	2	0	17	3	4		37	264
Flint	9	13	il	0	0	2	1	0	1 0	2	30
Grand Rapids	8	11	1	ő	0	ő	î	1	0	ő	28
Wisconsin:								-			
Kenosha Madison	1	6	0	0	0	0	0	0	0	13	5
Milwaukee	34	13	2	0	0	4 6	0	2	0	60	100
Racine	5	2	2	0	0	G	1	2 0	0	10	7
Superior	21	1	0	01	01	0 1	0	0	0	0	8

¹ In the Public Health Reports of Oct. 29, 1926, p. 2503, was published a report of 10 deaths from typhoid fever at Boston, Mass., during the week ended Oct. 9, 1926. The health commissioner of Boston advises that no deaths from typhoid fever occurred during that week.

§ Pulmonary tuberculosis only.

	Scarle	t fever		Smallpe)X			Pyphoio	i fever	Whoop-	
Division, State, and city	Cases, esti- mated expect- ancy	Cases re- ported	Cases, esti- mated expect- ancy	Cases re- ported	Deaths re- ported	Tuber- culosis, deaths re- ported	Cases, esti- mated expect- ancy	Cases re- ported	Deaths re- ported	ing cough, cases re- ported	Deaths all causes
WEST NORTH CENTRAL											
Minnesota: Duluth Minneapolis St. Paul	39 15	12 66 23	0 1 6	0 0 1	0 0	0 5 3	0 1 1	0 1 1	0 0	0 0 10	11 8 5
lowa: Davenport Des Moines	111	2 3	0	0			0	0		0	
Sioux City Waterloo	3	0	0	0			0	0		1	
Missouri: Kansas City St. Joseph St. Louis	12 3 35	4 0 40	0 0	1 0 0	0	3 2 7	1 0 3	1 0 3	0 0 2	3 0 14	10 1 18
North Dakota: Fargo	2	5	0	0	0	0	0	1	0	1	
South Dakota: Aberdeen Sioux Falls Nebraska:	0 2	11 3	0	0			0	0	*******	1 0	
Lincoln	1 4	10	0 3	0	0	0 2	0	1 0	0	4 2	1 4
Kansas: Topeka Wichita	3	8	0	3	0	0	0	0	0	2 2	1 3
Delaware: Wilmington	3	10	0	0	0	4	1	0	0	7	3
Haryland: Baltimore Cumberland Frederick	15 0 0	20 0 0	0	0	0	14 0 0	4 1 0	4 0 1	0 1 0	44 1 8	24
District of Colum- bia: Washington	17	20	0	0	0	11	3	3	1	3	14
Virginia: Lynchburg	1	3	0	0	0	0	0	1	0		1
Norfolk Richmond Roanoke	9 3	8 4 8	0	0	. 0	1 5 1	0 1 0	0 0	0 0	2 2 2 2	
Vest Virginia: Charleston Huntington	1	6	0	0	0	1	0	0	1	0	3
Wheeling forth Carolina: Raleigh	3 2	0	0	0	0	0	0	0	0	7	1
Wilmington Winston-Salem outh Carolina:	1 2	3 1 5	0	1 0	0	1 2	0	0	0	3 2	1 2
Charleston Columbia Greenville	1 1 1	0 1 2	0 0	0	0	0 0	0 0	1 1	0	0	1
eorgia: Atlanta Brunswick Sayannah	6	7 0 1	1 0 0	0	0	8 0	1 0 0	- 0	0	0	8
lorida: Miami St. Petersburg	0	1		0	0	1 0	i	1	0	0	2
Tampa	i	1	ő	0	ő	2	ô	1	1	0	î
CENTRAL Centucky: Covington Louisville	2	1	0	0	0	1	0	0	0	0	11
ennessee: Memphis	4	21 15	0	1	0	6 2	2 2	7	0	3	5
Nashville labama: Birmingham	4 5	15	0	0	0	5	2 2	3	0	3	61
Mobile Montgomery	1 0	0	0	0	0	2	1	0	1 0	0	2

	Scarle	t fever		Smallpe	DE .			phoid :	fever	Whoop	
Division, State, and city	Cases, esti- mated expect- ancy	Cases re- ported	Cases, esti- mated expect- ancy	Cases re- ported	Deaths re- ported	Tuber- culosis, deaths re- ported		Cases re- ported	Deaths re- ported	ing cough,	Deaths, all causes
WEST SOUTH CENTRAL										4	
Arkansas:										20	
Fort Smith	1	0	0	0			1	1		0	
Little Rock	2	1	0	o	0	3	î	î	0	5	******
Louisiana:	1.7	-	-			-	-				
New Orleans	5	10	0	0	0	13	3	1	0	0	166
Shreveport	1	3	0	i	0	1	1	0	0	0	20
Oklahoma:		-					-				-
Oklahoma City	3	2	0	1	0	1	1	1	0	0	3.5
Texas:										0.100	-
. Dallas	4	10	0	6	0	1	1	2	0	0	47
Galveston	0	1	0	0	0	1	0	ō	0	0	12
Houston	2	8	0	Ö	0	9	0	0	0	0	71
San Antonio	1	0	1	0	0	4	0	3	1	0	- 48
MOUNTAIN										-	- 2019
Montana:					17					0.0	31
Billings	1	0	0	0	0	1	0	0	0	0	
Great Falls	2	0 2 0	1	0	0	1 0	o	0	0	. 0	8
Helena	0	0	0	. 0	0	ĭ	0	0	0	0	.8
Missoula	1	15	0	0	o l	ō	0	. 0	0	0	8
Idaho:	- 1	-	-	-	-	-	-		-		
Boise	0	0	0	0	0	0	0	. 0	0	0	5
Colorado:	1		-			-1	- 1		-1	-	100
Denver	9	55	3	1	0	7	1	1	0	. 0	62
Pueblo	1	0	0	0	0	0	1	1	0	0	11
New Mexico:								11 511			
Albuquerque	1	1	0	0	- 0	4	0	0	0	0	9
Arizona:								100			
Phoenix	2	0	0	0	0	11	0	1	0	0	26
Utah:	- 1	-		- 1							
Salt Lake City.	3	3	1	0	0	1	1	1	0	3	39
Nevada:	. 1		4	0					-		
Reno	1	2	0	0	0	. 0	0	0	0	0	3
PACIFIC		1				10					r.c
Washington:	1										
Seattle	8	8	3	0 .			1	5		1	
Spokane	8 7	11	2	1			î	0		3	
Tacoma	2	2	ī	1	0	0	o l	0	0	3	30
Oregon:	-					-		-		"	
Portland California:	7	22	3	0	0	1	1	1	0	0	76
Los Angeles	18	00	2	0	0	99	2	3	0		980
Sacramento	9	3	2	0	0	2	0	ő	0	2	250 27
San Francisco.	9	20	ô	0	0	22 2 18	1	3	2	8	136
Can Flancisco.		20	0	0	0	10	1	0	4	8	130

		prospinal ingitis		hargie phalitis	Pellagra		Poliomyelitis (infan- tile paralysis)			
Division, State, and city	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases, esti- mated expect- ancy	Cases	Deaths	
NEW ENGLAND										
Massachusetts: Boston	0	0	0	0	0	0	1	2		
Providence	0	1	0	0	0	0	1	. 0	- 0	
New York: Buffalo New York	1	1	0	0	0	0	0	. 0	0	
New Jersey: Newark 1	0	0	0	0	0	0	6	1	0	
Pennsylvania: Philadelphia	0	0	0		0	0	0	1000	0	

¹ Rables (human); 1 case at Newark, N. J.

City reports for week ended November 13, 1926-Continued

	Ceret	prospinal ingitis	Let	hargie chalitis	Pel	llagra		yelitis paraly	(infan- sis)
Division, State, and city	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases, esti- mated expect- ancy	Cases	Deaths
Ohio:								The	
Cleveland	1	0	0	0	0	0	0	1	
Toledo		0	0	0	Ö	Ö	0	2	0
Michigan:			-				3.0		/
Detroit	0	0	1	0	0	0	1	0	0
Grand Rapids	. 0	0	0	0	0	0	0	2	0
WEST NORTH CENTRAL				•			77.17		
Nebraska:									4
Omaha	0	0	0	0	0	0	0	1	1
SOUTH ATLANTIC									
Maryland:									
Baltimore	1	0	2	1	0	0	1	0	. 0
Virginia:		1 7 3							14.3
Lynchburg	0	0	0	0	0	0	0	1	0
North Carolina: Winston-Salem	1	1	0	0	0	0	0	0	
South Carolina:			0	v	0			0	-11
Charleston 1	0	0	0	0	1	0	0	0	. 0
Georgia:			-		100				410 H
Atlanta	0	0	0	0	0	. 0	0	3	0
Florida;			-					0	
St. Petersburg	0	1	0	0	0	0	0	0	. 0
EAST SOUTH CENTRAL									
Kentucky:						1 1			
Louisville	1	0	0	0	0	0	0	0	0
Tennessee:									100
Memphis	0	1	0	0	0	0	0	0	0
Alabama: Birmingham	0	0	0	0	1	0	0	0	0
WEST SOUTH CENTRAL									10
Arkansas:		-					44-11		1111
Little Rock	0	0	0	0	0	2	0	0	. 0
Louisiana: New Orleans		0	0	0	0	0	0	0	
New Orients	1	0	0	0	0	. 0		0	
Houston	0	0	0	0	1	1	0	0	0
San Antonio	1	0	o l	o l	0	1	0	0	0

Dengue; 1 case at Charleston, S. C.

The following table gives the rates per 100,000 population for 101 cities for the five-week period ended November 13, 1926, compared with those for a like period ended November 14, 1925. The population figures used in computing the rates are approximate estimates as of July 1, 1925 and 1926, respectively, authoritative figures for many of the cities not being available. The 101 cities reporting cases had an estimated aggregate population of nearly 30,000,000 in 1925 and nearly 30,500,000 in 1926. The 95 cities reporting deaths had more than 29,200,000 estimated population in 1925 and more than 29,730,000 in 1926. The number of cities included in each group and the estimated aggregate populations are shown in a separate table below.

Summary of weekly reports from cities, October 10 to November 13, 1926—Annual rates per 100,000 population, compared with rates for the corresponding period of 1925 1

DIPHTHERIA CASE RATES

					-					
					Week e	nded-				
	Oet. 17, 1925	Oet. 16, 1926	Oct. 24, 1925	Oct. 23, 1926	Oet. 31, 1925	Oct. 30, 1926	Nov. 7, 1925	Nov. 6, 1926	Nov. 14, 1925	Nov. 13, 1926
101 cities	150	165	2 163	203	3 176	213	161	1 224	109	4 228
New England	120 129 166 233 209 89 88 157 105	85 100 219 209 218 270 219 164 175	*94 128 180 256 *252 100 *101 361 135	85 122 261 240 302 400 280 255 191	132 148 186 278 213 89 251 170 149	106 138 241 264 357 384 331 155 205	93 125 178 264 198 126 189 277 141	118 142 276 252 319 425 254 3 223 288	122 140 185 235 236 63 208 240 138	135 162 264 4216 391 265 379 182 232
		MEA	SLES C	CASE I	RATES					
101 cities	67	43	191	49	1102	64	149	181	169	106
New England Middle Atlantic. East North Central West Nerth Central Fouth Atlantic. East South Central West South Central Mountain. Pacific	431 65 24 10 52 5 0 18 28	26 9 36 44 21 0 13 237 291	\$ 578 87 45 10 \$ 37 27 13 28 11	26 12 47 42 26 21 4 337 278	582 110 54 12 56 16 4 19 14	24 13 77 85 9 21 0 391 342	822 159 70 14 144 16 9 37 17	66 16 80 151 21 26 9 * 809 315	908 170 84 10 217 16 9 46 19	34 44 160 152 24 10 25 1,529 280
	SC.	ARLET	FEVI	ER CA	SE RA	res				
101 cities	121	130	\$ 127	152	3 155	.169	163	1 189	182	* 208
New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific	127 75 143 256 129 142 53 46 135	144 62 132 318 126 145 86 264 205	125 96 135 284 126 121 40 111 127	194 51 155 373 163 223 95 446 235	194 106 185 292 180 74 40 189 141	246 92 157 354 133 332 112 364 237	261 110 159 358 173 100 97 166 155	265 94 189 415 199 249 112 1595 205	237 142 180 354 161 108 114 176 196	352 125 185 • 354 178 296 142 701 280
		SMAL	LPOX	CASE	RATES	3	1	16		
101 cities	8	4	17	. 3	1 10	3	9	*3	8	45
New England. Middle Atlantic. East North Central West North Central South Atlantic. East South Central West South Central West South Central	0 0 8 0 6 42 0 28	0 0 3 6 4 0 4 9 32	17 0 4 4 10 5 0 9 75	0 0 3 0 9 10 0 0 0	0 0 16 25 6 5 0	0 0 1 2 6 5 4 9	0 0 12 10 12 26 0 18 47	0 0 6 2 0 10 9	0 0 13 4 6 32 0 18 41	0 9 10 10 2 10 30 9

¹ The figures given in this table are rates per 100,000 population, annual basis, and not the number of cases reported. Populations used are estimated as of July 1, 1925 and 1926, respectively.

¹ Barre, Vt., and Winston-Salem, N. C., not included.

¹ Bioare (Ity, lows, not included.

⁴ Shoare (Ity, lows, not included.

⁴ Winston-Salem, N. C., not included.

⁶ Winston-Salem, N. C., not included.

Summary of weekly reports from cities, October 10 to November 13, 1926—Annual rates per 100,000 population, compared with rates for the corresponding period of 1925—Continued

	TY	РНОП	D FEV	ER CA	SE RA	TES				
		1			Week e	nded-	100			
	Oct. 17, 1925	Oct. 16, 1926	Oct. 24, 1925	Oct. 23, 1926	Oct. 31, 1925	Oct. 30, 1926	Nov. 7, 1925	Nov. 6, 1926	Nov. 14, 1925	Nov. 13, 1926
101 cities	35	32	32	26	1 25	27	27	3 24	11	1 21
New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific	24 28 31 20 65 121 44 46 19	57 26 15 14 66 140 26 46 16	14 25 9 33 73 147 79 65 30	19 20 13 22 77 99 22 27 13	17 21 15 18 25 100 79 *85 19	12 14 17 24 75 140 39 46 19	22 12 18 31 60 168 48 37 8	17 12 13 26 45 104 22 393 46	2 8 9 16 10 42 57 9 3	9 21 10 4 17 36 52 34 27 30
	n	NFLUI	ENZA I	DEATI	H RAT	ES				
95 cities	6	6	18	7	3 10	11	13	*11	11	14
New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific	0 5 8 6 2 16 10 0	5 4 2 11 8 16 14 27 11	3 2 8 9 6 6 2 5 19 37 4	7 8 5 2 8 10 14 27 0	12 10 7 11 6 26 34 39 4	7 8 14 2 21 10 24 9 7	5 14 11 6 17 37 15 9	12 9 6 6 15 21 43 3 19 7	7 14 10 13 2 26 29 0 4	2 10 10 13 17 26 71 27 14
	Pl	NEUM	ONIA	DEAT	H RAT	ES		1		
95 cities	90	77	188	85	1117	96	133	101	132	106
New England	93 94 89 58 121 95 53 120 80	76 88 63 53 88 52 104 118 82	* 87 89 79 60 * 116 121 111 111 76	83 104 60 49 113 99 57 127	108 136 114 97 129 105 116 76 47	99 101 86 63 107 135 80 182 89	134 143 119 86 194 152 150 102 91	99 113 84 84 120 99 118 1167 50	120 143 131 81 152 163 102 176 109	90 114 85 76 139 166 113 155

Barre, Vt., and Winston-Salem, N. C., not included.
 Helena, Mont., not included.
 Sioux City, Iowa, not included.

Number of cities included in summary of weekly reports, and aggregate population of cities in each group, approximated as of July 1, 1925 and 1926, respectively

Group of cities	Number of cities	Number of cities		opulation of rting cases	Aggregate p	
	reporting	reporting deaths	1925	1926	1925	1926
Total	101	95	29, 900, 058	30, 427, 598	29, 221, 531	29, 733, 613
New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central West South Central Mountain Pacific	12 10 16 12 21 7 8 9 6	12 10 16 10 21 7 6 9	2, 176, 124 10, 346, 970 7, 481, 656 2, 550, 024 2, 716, 070 993, 103 1, 184, 057 563, 912 1, 888, 142	2, 206, 124 10, 476, 970 7, 655, 436 2, 589, 131 2, 776, 070 1, 004, 953 1, 212, 057 572, 773 1, 934, 084	2, 176, 124 10, 346, 970 7, 481, 656 2, 431, 253 2, 716, 070 993, 103 1, 078, 198 563, 912 1, 434, 245	2, 206, 124 10, 476, 970 7, 655, 436 2, 468, 448 2, 776, 670 1, 004, 53 1, 103, 695 572, 773 1, 469, 144

Barre, Vt., not included.
Winston-Salem, N. C., not included.

FOREIGN AND INSULAR

THE FAR EAST

Report for week ended November 6, 1926.—The following report for the week ended November 6, 1926, was transmitted by the eastern bureau of the secretariat of the health section of the League of Nations, located at Singapore, to the headquarters at Geneva:

	Pla	ague	Ch	olera		mall- pox		Pla	igue	Ch	olera		nall- ox
Maritime towns	Cases	Deaths	Cases	Deaths	Cases	Deaths	Maritime towns	Cases	Deaths	Cases	Deaths	Cases	Deaths
Madagascar: Tamatave. Mauritius: Port Louis. Union of South Africa: Durban	1 2 0	1 0	0 0	0 0	0 0 7	0	Dutch East Indies: Cheribon Surabaya Siam: Bangkok French Indo-China:	0 4 0	0 4 0	0 0 1	0 0	0 0 3	0
British India: Calcutta Bombay Rangoon		0 0		16 0	5 0	2 3 0	Salgon and Cholon Turane	0	0	1 5	1	0	0
Ceylon: Colombo Straits Settlements: Singapore	0	0	0	0	0	0	Amoy	0	0	1 0	0	0 0 2	0

Telegraphic reports from the following maritime towns indicated that no case of plague, cholera, or smallpox was reported during the week:

ASIA

Arabie.-Aden, Jeddah, Kamaran, Perim. Iraq.-Basrah.

Persia.-Mohammerah, Bender Abbas, Bushire. British India.-Madras, Karachi, Chittagong, Cochin, Vizagapatam, Negapatam, Tuticorin.

Federated Malay States .- Port Swettenham.

Straits Settlements .- Penang.

Dutch East Indies .- Samarang, Batavia, Sabang, Makassar, Banjermasin, Palembang, Menado, Pontianak, Belawan-Deli, Padang, Samarinda, Tarakan.

Sarawak,-Kuching.

British North Borneo .- Sandakan, Jesselton, Kudat, Tawao.

Portuguese Timor .- Dilly.

French Indo-Ching .- Halphong.

Ching.-Hongkong.

Formosa.-Keelung.

Japan.-Yokohama, Osaka, Nagasaki, Kobe, Niigata, Tsuruga, Hakodate, Shimonoseki, Moji. Korea.-Chemulpo, Fusan.

Menchuria.-Mukden, Changchun, Harbin, Antung.

Kwantung .- Port Arthur, Dairen.

AUSTRALASIA AND OCEANIA

Australia.-Adelaide, Melbourne, Sydney, Brisbane, Rockhampton, Townsville, Port Darwin, Broome, Fremantle, Carnarvon, Thursday Island. New Guinea .- Port Moresby.

New Britain Mandated Territory .- Rabaul.

New Zealand .- Auckland, Wellington, Christchurch, Invercargill, Dunedin.

New Caledonia .- Noumea.

Fiji.-Suva.

Haweii.-Honolulu.

Society Islands .- Papeete.

Egypt .- Port Said, Suez, Alexandria. Anglo-Egyptian Sudan .- Port Sudan, Suakin.

Eritrea .- Massaua.

French Somaliland .- Jibuti.

British Somaliland.—Berbera. Italian Somaliland.—Mogadiscio.

Kenya .- Mombasa

Zanziber .- Zanzibar.

Tanganyika.- Dar-es-Salaam.

Sevehelles .- Victoria.

Madagascar.-Majunga.

Portuguese East Africa .- Mozambique, Beira, Lourenco Marques.

Union of South Africa .- East London, Port

Elizabeth, Cape Town.

Reports had not been received in time for distribution from-

Dutch East Indies .- Balikpapan.

Philippine Islands.-Manila, Iloilo, Jolo, Cebu, Zamboanga.

CANADA

Communicable diseases—Week ended November 6, 1926.—The Canadian Ministry of Health reports cases of certain communicable diseases in seven Provinces of Canada for the week ended November 6, 1926, as follows:

Disease	Nova Scotia	New Bruns- wick	Quebec	Ontario	Mani- toba	Sas- katch- ewan	Al- berta	Total
Influenza. Lethargic encephalitisPoliomyelitis	5			2 2	2		1.74	
SmallpoxTyphoid fever	6	1 3	9	10 17	5	10 10	11	3

ECUADOR

Plague—Guayaquil—October 1-15, 1926.—During the 15-day period ended October 15, 1926, one case of plague was reported at Guayaquil, Ecuador.

Plague-infected rats.—During the same period of 7,730 rats taken, 6 rats were found plague-infected.

GREECE

Plague—Patras—October 27-29, 1926.—Plague has been reported at Patras, Greece, as follows: October 27, 1926, one case; October 29, one death.

LATVIA

Communicable diseases—August, 1926.—During the month of August, 1926, communicable diseases were reported in the Republic of Latvia as follows:

Disease	Cases	Disease	Cases
Anthrax Cerebrospinal meningitis Diphtheria Dysentery Erysipelas Lethargic encephalitis Malaria Measles Mumps	2 3 35 76 24 2 1 10 3	Paratyphoid fever Puerperal fever Rabies Scarlet fever Tetanus Trachoma Typhoid fever Typhus fever Whooping cough	3 3 1 147 2 21 135 2 51

MADAGASCAR

Plague—September 1-15, 1926.—During the period September 1 to 15, 1926, 87 cases of plague with 78 deaths were reported in the Island of Madagascar. The occurrence was distributed by provinces as follows: Itasy—Cases, 6; deaths, 6. Majunga—Cases, 42; deaths, 33. Moramanga—Cases, 8; deaths, 8. Tamatave—Cases, 2; deaths, 2. Tananarive—Cases, 29; deaths, 29. The distribution according

to type was: Bubonic, 58; pneumonic, 17; septicemic, 12 cases. The urban occurrence reported was, in Tananarive town (interior), 4 cases; 4 deaths. Pneumonic, 3; septicemic, 1.

MEXICO

Smallpox erroneously reported at Tampico—June 1-10, 1926.— Later information shows that the report of two deaths from smallpox at Tampico, Mexico, for the period June 1-10, 1926, published in the Public Health Reports, July 2, 1926, page 1402, and in subsequent issues, was erroneous.

VIRGIN ISLANDS

Communicable diseases—October, 1926.—Communicable diseases were reported in the Virgin Islands of the United States during the month of October, 1926, as follows:

Island and disease	Cases	Remarks
St. Thomas and St. John: Chancroid Gonorrhea Malaria Schistosomiasis Syphilis Trachoma Tuberculesis Typhoid fever Uncinariasis St. Oroix: Dysentery	2 9 1 1 10 1 1 1 3	1 imported. 1 imported. 1 imported. Malignant subtertian. Imported. Mansoni. Primary, 1; secondary, 7. Chronic pulmonary. Imported. Necator americanus. 1 imported. Entameble.
Filariasis Gonorrhea Pellagra Tuberculosis	10 1 5 2	Bancrotti. Chronic pulmonary.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER

The reports contained in the following tables must not be considered as complete or final as regards either the lists of countries included or the figures for the particular countries for which reports are given.

Reports Received During Week Ended December 3, 1926 1 CHOLERA

Piace	Date	Cases	Deaths	Remarks
China: Amoy. Changsha Shanghai Swatow India. Bombay.	Oct. 10-23. Oct. 10-16. Oct. 3-9. Oct. 10-16.	18 1 2 7	10	Cases, foreign; deaths, foreign and native, in international concessions. Sept. 26-Oct. 2, 1926: Cases, 864; deaths, 477. Corresponding period, year 1925: Cases, 1,318;
Philippine Islands: Manila	Oct. 3-9.			deaths, 730. Dec. 27, 1925-Oct. 2, 1926: Cases, 26; deaths, 6. Oct. 3-9, 1926: Cases, 26; deaths, 17. Apr. 1-Oct. 9, 1926: Cases, 7,660; deaths, 5,040.

¹ From medical officers of the Public Health Service, American consuls, and other sources.

Reports Received During Week Ended December 3, 1926-Continued

PLAGUE

Place	Date	Cases	Deaths	Remarks
Ecuador: Guayaquil	Oct. 1-15	1		Rats taken, 7,730; rats, found
Do	Oct. 16-31	2		plague infected, 6. Rats taken, 12,500; found infected, 20.
Greece: PatrasIndia	Oct. 27-29	1	1	Sept. 26-Oct. 2, 1926; Cases,
Madras Presidency	Sept. 26-Oct. 2	111	50	1,752; deaths, 1,008. Corresponding period, year 1925; Cases, 983; deaths, 602.
Java: Batavia East Java and Madura	Oct. 10-16do	9	9	Province.
Madagascar				Sept. 1-15, 1926: Cases, 87; deaths, 78.
Itasy	Sept. 1-15	6	6	Bubonic, cases, 5; pneumonic, 1.
Majunga	do	42	33	Bubonic.
Moramanga	do	8 2	8 2	Bubonic, 1; septicemic, 7. Bubonic.
Tananarive	do	29	29	Bubonic, 8; pneumonic, 16; sep ticemic, 5.
Tananarive Town.	do	4	4	Pneumonic, 3; septicemic, 1.

SMALLPOX

Canada:				Oct. 31-Nov. 6, 1926: Cases, 11.
Calgary	Oct. 31-Nov. 13	12		Oct. 17-23, 1926: Cases, 6. Out of date.
Manitoba				Oct. 31-Nov. 6, 1926: Cases, 5.
New Brunswick				Oct. 31-Nov. 6, 1926: 1 case.
Ontario				Oct. 31-Nov. 6, 1926: Cases, 10.
Toronto	Oct. 31-Nov. 13	19		0-1 01 N - 4 1000 0 10
Saskatchewan				Oct. 31-Nov. 6, 1926: Cases, 10.
China:				
Chungking	Oct. 3-9			Present.
Shanghai	do	1		Foreign.
Swatow	Oct. 16-23			Sporadic.
France:	7.00			A December 1 and the second se
Paris	Oct. 11-20	11	3	
Great Britain:	A property of the state of			
England and Wales				Oct. 17-26, 1926: Cases, 120.
London	Oct. 17-23	1		
India				Sept. 26-Oct. 2, 1926: Cases, 345;
Bombay	Oct. 10-16	4	3	deaths, 134. Corresponding
Madras	Oct. 17-23	2	1	week, 1925-Cases, 1,155; deaths,
				247.
Java:				100
Batavia	Oct. 10-16	1	4	Province.
East Java and Madura	Sept. 26-Oct. 2	18	2	4.00
Mexico:	Dept. 25 Oct. 2		-	
San Luis Potosi	Nov. 7-13.		2	
Portugal:				R - All S
Lisbon	Oct. 23-Nov. 6	. 0	1	

TYPHUS FEVER

China:	Oct. 11-24	5			
Latvia. Palestine	Aug. 1-31	2	 Oct. 19-25,	1926: Cases,	2. Au-
Jaffa	Oct. 19-25	1 -	 gust, 1926:	: Cases, 10.	

Reports Received from June 26 to November 26, 1926 1

CHOLERA

Place	Date	Cases	Deaths	Remarks
Ceylon				Apr. 18-May 29, 1926: Cases, 31
China:			100	deaths, 29.
Amoy	. Aug. 8-Oct. 9			Stated to be present in epidemic
Antung	. Aug. 1-31	500		form.
Canton	. June 1-30	38		
DoChangsha	July 15-31 Oct. 3-9	54		Company of the second
Foochow	Aug. 15-Oct. 2		. 1	In foreign population.
Kulangsu	Sept. 12-18		. 2	an lovely a population.
Changshun	Aug. 1-31	320	*********	
Dairen	Aug. 5-Sept. 12	10 289	83	The second secon
Harbin Newchwang	Aug. 1-31	1 167	00	Land South Street, Str
Nanking	July 25-Oct. 2	201		Present.
Shanghai	Reported July 20	35	8	a resent.
Do	July 25-Oct. 2	38	409	Cases, foreign; deaths, native and
Swatow	July 25-Oct. 2 July 11-Oct. 9	43	63	foreign.
Tsingtao	July 11-Aug. 30	4	4	Japanese settlements, 10 deaths Chinese, 30 to 40 deaths daily:
North Heian Province	Sept. 3-16	70	30	estimated. Deaths estimated.
Shingishu French Settlements in India	Sept. 13 Mar. 7-June 28	19 31	30	Including places in vicinity.
Do	June 27-Aug. 28	94	83	
ndia	Title at Mag. Bo			Apr. 25-June 26, 1926: Cases
Bombay	May 30-June 5	1	1	Apr. 25-June 26, 1926: Cases, 18,526; deaths, 11,531. June 27-Sept. 25, 1926: Cases, 26,403;
Do	July 18-Aug. 28	3	3	27-Sept. 25, 1926: Cases, 26,403
Calcutta	Apr. 4-May 29	478	418	deaths, 16,809.
Do	June 13-26	73	69	
Do	June 27-Sept. 25	304	272	
Madras	May 16-June 5	7	1	
	May 0. June 26	67	44	World No.
Rangoon	May 16-June 5 Aug. 1-Sept. 25 May 9-June 26 June 27-Sept. 4	31	29	* *
ndo-China:	June al Depe. T	01	-	
Saigon	May 2-15	52	48	and the state of t
Do	May 22-June 26	42	32	The state of the s
Do	June 27-Aug. 14	31	17	
Ken (Prefecture)— Hiroshima	To Sept. 10	1	**********	To Sept. 10, 1926: Cases, 35.
Hyoro	10 Sept. 10do	7		100
Hyogo Kagakawa	do	8		A STATE OF THE STA
Kanagawa	do	3	**********	Including Yokohama.
Kochi	do	1		and a constitution
Ookayama	do	7		
Osaka	do	6		
Taihoku	Sept. 1-10	. 2	**********	
Wakayama Taiwan Island	To Sept. 10 Sept. 21-Oct. 10	2		
hilippine Islands:	May 18-24	11	2	
Manila Do	June 27-Oct. 2	14	3	
Albay	Apr. 18-24	1	1	The second second
Davao	May 23-29	î		
Mindoro	Feb. 21-Mar. 6	3	3	
Pampanga	July 25-31	1	1	
Rizal	May 23-29 Feb. 21-Mar. 6 July 25-31 July 18-24. Dec. 14-31	1	*******	
Romblon	Dec. 14-31	42	43	
am	Jan. 2-Mar. 27	41	. 35	Ame 1 Cont Of 1000, Cons
	May 9 June 19	1 995	736	Apr. 1-Sept. 25, 1926: Cases,
BangkokDo	May 2-June 12 June 20-26	1, 325	26	7,643; deaths, 5,023.
Do	June 27-Sept. 25	94	68	
traits Settlements:	value ar ocpt. 20	01	00	
Singapore	July 4-17	2	1	
		-		
n vessel: Steamship Macedonia		7		At Yokohama, Japan. Vessel sailed from Singapore July 18,

¹ From medical officers of the Public Health Service, American consuls, and other sources.

Reports Received from June 26 to November 26, 1926-Continued

PLAGUE

Place	Date	Cases	Deaths	Remarks
Algeria:		200		
Algiers	June 21-30	1		Under date of July 16, 2 cases
Do	July 1-20	1		reported.
Do	Sept. 23	1		
Bona	Aug. 14. Sept. 21-Oct. 10 Sept. 7	1		
	Sept. 21-Oct. 10	9	4	
	Sept 7	1		
Philippeville	population.	-		
Azores:	0.50			
Fayal Island—	Ame 2.20	2	2	
HortaSt. Michaels Island	May 0 Iuma 20	4	1	
	Aug. 2-29 May 9-June 26 June 27-July 10	3	i i	
Do	June 21-July 10			
Brazil:	0-4 0	1 1		Present.
Paranagua	Oet. 8	******		I rescus.
British East Africa:	** ***			Y. A. Carlotte and
Kisumu	May 16-22 Aug. 17-Sept. 11	1	1	The second secon
Do	Aug. 17-Sept. 11	3	2	A Company of the Comp
Uganda	Mar. 1-June 30	732	574	
Canary Islands:				
Teneriffe	Aug. 2	2		
Ceylon:				
Colombo	May 29-June 5	1	1	
Chile:				
	June 20-26		1	A SHARE AND
Iquique	Julio 20-20			The second secon
China:	Ame 10 Toma 00	40	30	
Amoy	Apr. 18-June 26	26	00	
Do	June 27-Aug. 7 June 6-July 31	25		Several cases. Not epidemic.
Foochow.	June 6-July 81			Prevalent.
Nanking	May 9-Sept. 18	*******		Frevalent.
Swatow	July 25-31	14		Tonstone Tone 1006: Conse 905
Ecuador				January-June, 1926: Cases, 385
	_			deaths, 154.
Chimborazo	January-June	. 9	2	Rats taken, 766.
Guayaquil	May 16-June 80	6		Rats taken, 30,914; found in
		1 22		fected, 31.
Do	July 1-Sept. 30	16	3	fected, 31. Rats taken, 62,544; found in fected, 89.
				fected, 89.
Leon	January-June	43	19	Localities, 2.
Loja	do	176	75	Cantons, 2
Tungurahua	do	83	29	At Ambato, Huachi, and Pica yhua. Rats taken, 1,542. Jan. 1-Oct. 21, 1926: Cases, 139.
. unguranus				yhua. Rats taken, 1,542.
Egypt				Jan. 1-Oct. 21, 1926: Cases, 139.
City—				
Alexandria	July 27-Aug. 12	4	1	
Suer	July 27-Aug. 12 May 21-July 1 July 29	9	5	
Do	July 29	2		No.
Provinces-		-		
Behera	July 23-Aug. 15	4	1	2000 4000
Deneral Const	May 23-June 8	8		
Beni-Suef	July 27	ĭ	2	
Charkieh		i	i	
Gharbieh	June 2	i	1	and the second of the second o
Minieh Sidi Barrani	July 24	23	3	In western desert.
Sidi Barrani	Sept. 30-Oct. 21	20	0	
France:	Tester 0	1	1	Reported July 24.
Marseille	July 8 Oct. 18			areported suly as
Paris	Oct. 18	1	*******	Vicinity of Paris.
St. Denis St. Ouen	Reported Aug. 2	1	*******	Suburb of Paris.
St. Ouen	Aug. 14	2		Subdit of Farts.
Great Britain:				
Liverpool	Aug. 29-Sept. 4	2	1	
Greece:				Including Diseases
Athens	Apr. 1-May 31	16	4	Including Piræus.
Do	Aug. 1-Sept. 30	20	5	Do.
Patras	Aug. 1-Sept. 30 May 27-June 12 July 25-Oct. 2	4	1	
Do	July 25-Oct. 2	8	4	
Zante	May 17	. 1		The second second second
Hawaii Territory:				A Total Control of the Control of th
Hamakua	June 9	And the same		1 plague rodent trapped nea Hamakua Mill.
Uonekaa		1	1	Hamakua Mill.
Honokaa	Oct. 6			Plague-infected rat trapped.
Paauhau	July 10-24	******		Plague-infected rat trapped. Apr. 25-June 16, 1926: Cases 53,001; deaths, 41,576. Jun 27-Sept. 25, 1926: Cases, 7,274 deaths, 4,135.
India	3 For O Trans 00	10	15	53 001: deaths 41.576 Inn
Bombay	May 2-June 26	16	15	97 Sant 25 1026 Cases 7 274
_ Do	July 18-Oct. 9	13	12	deaths 4 125
Karachi	May 23-June 26 July 11-17	15	13	ucatus, 4, 100.
Do				

Reports Received from June 26 to November 26, 1926—Continued PLAGUE—Continued

Place	Date	Cases	Deaths	Remarks
India—Continued.				
Madras Presidency	Apr. 25-June 26 July 4-Sept. 25	162	93	
Do	July 4-Sept. 25	720	349	
Rangoon	- Didn't b-1 time 20	20	15	
Do	June 27-Oct. 9	84	74	
Indo-China:				
Saigon	May 23-June 26	8	3	
Do	July 18-Aug. 7	2	1	
Iraq:	1 10 Tune 10		100	
Baghdad	Apr. 18-June 12	161	108	
Do	July 18-Sept. 11	4		
Japan: Yokohama	July 2-Aug. 10	9	80	
Java:	July 2 Mug. 10			The same of the sa
Batavia	Apr. 24-June 19	65	65	
Do	June 26-Oct. 9	80	78	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cheribon	Apr. 11-24	3	3	
Do	Sept. 12-18	1	1	
East Java and Madura	June 13-19	1	1	
Do	July 25-31	1	1	The second secon
Surabaya	Aug. 22-Sept. 25	18	2	The second secon
Madagascar:				
Ambositra Province	May 1-15 June 16-30	4	4	Septicemic.
Antisirabi Province		4	.4	
Itasy Province	do	17	10	100
Do	Aug. 16-21	1	1	1500
Maevatanana	do	2	6	
Majunga Province	June 16-30 Aug. 16-31	10	15	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Mananjary Province	dodo	15	10	Class Co. also
Moramanga Province	Apr. 1-15	2	2	Do.
Tamatave Province	Aug. 16-30	15	10	
Tananarive Province	Aug. IV-VV	40	10	Apr. 1-June 30, 1926; Cases, 13
Towns-				deaths, 120. July 1-Aug. 3
Majunga	Aug. 1-15.	14	10	Apr. 1-June 30, 1926: Cases, 13 deaths, 120. July 1-Aug. 3 1926: Cases, 126; deaths, 119.
Tamatave (Port)	Aug. 1-15 May 16-31	1	1	the case of the case of the
Do	July 1-Aug. 15	6	5	- 110
Tananarive	Apr. 1-June 30	7	7	
Do	July-Aug. 31	24	24	
Mauritius:			30	1.0
Port Louis	July 31	1	1	
Nigeria		******		Feb. 1-June 30, 1926: Cases, 19
				Feb. 1-June 30, 1926: Cases, 191 deaths, 163. July 1-31, 1920
D				1 Casps. 121: Geaths, 112.
Peru				deethe 16 July 1-Sept 36
Departments—	1			May-June, 1926: Cases, 57 deaths, 16. July 1-Sept. 30 1926: Cases, 89; deaths, 52.
Ancash	May 1-31			Present.
Do	July 1-Sept. 30	9	********	1.00cm.
Cajamarca	May 1-June 30	10	4	37700
Do.	Aug. 1-Sept. 30	1		
Ica	May 1-31	î		
Do	Aug. 1-Sept. 30 May 1-31 July 1-31	i		
Junin	Sept. 1-30	21	20	
Lambayeque	do	1		
Libertad	May 1-31 Sept. 1-30 May 1-June 30	4		and the second of
Do	Sept. 1-30	3	1	
Lima	May 1-June 30	29	12	
Do	July 1-Sept. 30	60	31	
Piura	June 1-30	13		
Russia				Jan. 1-Mar. 31, 1926; Cases, 3
enegal				Nov. 1-30, 1925: Cases, 3; death:
				Jan. 1-Mar. 31, 1926; Cases, 3; Nov. 1-30, 1925; Cases, 3; death: 2. Mar. 1-June 3.0, 1926 Cases, 342; deaths, 213 Apr. 1-Oct. 2, 1926; Cases, 18 deaths, 10.
lam.				Cases, 342; deaths, 213
lam	34 00 Y			Apr. 1-Oct. 2, 1926; Cases, 18
Bangkok	May 23-June 26	2	2	deaths, 10.
Do	July 18-24	1	1	5 4001
traits Settlements:	Manaa			the state of the s
Singapore	May 2-8	1	1	The second second
Do	July 4-17	1	i	E CONTRACTOR OF THE PARTY OF TH
Beirut	Inly 1-App 10	2	1155	A CONTRACTOR OF THE PARTY OF TH
Do	July 1-Aug. 10 Oct. 15	2		Present.
funisia	May 11-June 20	174	*******	r resent.
Do	May 11-June 30 July 1-Aug. 20	13	*******	and it,
Kairouan	June 9	3	********	9 cases 30 miles south of Kai
1				rouan.

Reports Received from June 26 to November 26, 1926-Continued

PLAGUE-Continued

Aug. 1-Sept. 25 May 16-22 June 13-26. June 27-Aug. 21 June 27-July 3 June 27-July 3 Aug. 15-21 May 9-22	7 . 5 . 12 . 3 . 2 . 1	Deaths 4 3 6 3 6 3	Remarks
May 16-22 June 13-26 June 27-Aug. 21 June 13-26 June 27-July 3	5 12 3 2	6	
May 16-22 June 13-26 June 27-Aug. 21 June 13-26 June 27-July 3	5 12 3 2	6	
June 13-26. June 27-Aug. 21 June 13-26. June 27-July 3	12 3 2	6	
June 13-26. June 27-July 3	3 2		
June 13-26. June 27-July 3	2		
June 27-July 3	1		
Aug. 15-21 May 9-22			
May 9-22	1		
	3	3	
		1	
September, 1926	2	2	At Liverpool, England, frei Lagos, Nigeria, West Africa 29 plague-infected rats foun on board.
SMAL	LPOX		
			14.54
May 21-June 20	12	*********	July 21-Sept. 20, 1926: Cases, 230
July 1-Aug. 31	3		30.1763
		The Late	
Oct. 3-9	1		Imported.
Ane 1-7	1	1	Sept. 1-30, 1926: Cases, 2.
Aug. 1			The state of the s
May 1-June 30 July 1-Aug. 31	14 16	7 8	
Imme 20-26	1		
June 27-Oet. 2	71	39	A CONTRACTOR
Apr. 1-30	******	5	100000000000000000000000000000000000000
May 16-June 26			
July 11-Sept. 25	166		
Aug. 10-31	2		1 1943
May 2-June 19			
July 4-Sept. 25			Jan. 1-Oct. 16, 1926; Cases, 3,601
June 27-Aug. 22	100		deaths, 1,896.
Mar. 1-7	*******	1	100000000000000000000000000000000000000
\	-	7 10	
July 5-11	. 5	4	
May 1-31		46	
Mar. 1-May 31	3		
May 18-24	17	6	Natives.
June 8-14	5		
Sept. 11-17	1		Man 20 Toma 00 1000 Casas 20
		Differ.	May 30-June 26, 1926: Cases, 70 June 27-Oct. 30, 1926: Cases 322.
C			May 30-June 12, 1926: Cases, 3 June 27-Oct. 30, 1926: Cases, 62
			June 27-Oct. 30, 1926: Cases, 62
		*********	May 30-June 26, 1926: Cases, 15
June 6-12		*********	June 27-Oct. 30, 1926: Cases
July 4-Nov. 6	. 13		48.
Oct. 11-23	1		19-18
Yester Of Assa 7	*******	********	May 30-June 26, 1926; Cases, 36
May 23-June 26		*******	June 27-Oct. 30: Cases, 117.
July 11-17	2		
Apr. 26-May 29	3	1	
May 2-22			
Apr. 26-May 29	7		
July 18-24	1		
	May 21-June 20. July 1-Aug. 31. Oct. 3-9. Aug. 1-7. May 1-June 30. July 1-Aug. 31. June 20-26. June 27-Oct. 2. Apr. 1-30. May 16-June 26. June 27-Sept. 25. July 11-Sept. 25. July 11-Sept. 25. July 11-Sept. 25. Oct. 3-16. June 27-Aug. 22. Mar. 1-7. July 5-11. May 1-31. May 1-31. May 1-31. May 1-31. May 1-31. May 1-31. Sept. 11-17. Sept. 11-17. Sept. 11-17. June 6-12. June 6-12. June 6-12. June 6-12. June 6-12. June 6-12. June 6-13. July 11-17. July 25-Aug. 7. May 23-June 26. July 11-17. Apr. 26-May 29. May 2-21. July 25-31. Apr. 26-May 29. May 2-26-May 29. May 2-26-May 29. July 25-31. Apr. 26-May 29. Apr. 26-May	May 21-June 20. 14 July 1-Aug. 31 3 Oct. 3-9. 1 Aug. 1-7. 1 May 1-June 30. 14 July 1-Aug. 31 16 June 20-26. 1 June 27-Oct. 2. 71 Apr. 1-30. 42 Aug. 10-31 2 May 16-June 26. 26 June 27-Sept. 25 166 Aug. 10-31 2 May 2-June 19 132 July 18-Sept. 25 2, 534 Oct. 3-16. 196 June 27-Aug. 22 Mar. 1-May 31 3 May 18-24 17 June 8-14. 5 Sept. 11-17. 1 Sept. 5-Oct. 30. 26 Aug. 16-Sept. 12 3 July 4-Nov. 6. 13 Oct. 11-23. 1 July 25-Aug. 7 May 23-June 26. 3 July 18-Aug. 7 May 23-June 26. 5 July 11-17. 2 Apr. 26-May 29 3 May 2-22. 5 July 25-31 2 Apr. 26-May 29 3 July 25-31 2 Apr. 26-May 29 7 July 18-24 17 July 18-31 25 July 25-31 2 Apr. 26-May 29 3 Apr. 26-May 29 7 July 18-24 17 July 18-24 17 July 18-24 7 July 18-31 2 Apr. 26-May 29 3 Apr. 26-May 29 7 July 18-24 1	SMALLPOX May 21-June 20 14 July 1-Aug. 31 3 Oct. 3-0 1 1 Aug. 1-7 1 1 1 May 1-June 30 14 7 July 1-Aug. 31 16 8 June 20-26 1 1 June 27-Oct. 2 71 39 Apr. 1-30 26 25 June 27-Sept. 25 29 19 July 11-Sept. 25 166 22 Aug. 10-31 2 39 May 2-June 19 132 July 4-Sept. 25 26 23 June 27-Aug. 22 334 1, 338 Oct. 3-16 196 113 June 27-Aug. 22 5 May 1-31 252 445 Mar. 1-7 1 5 May 1-31 252 45 Mar. 1-7 1 6 June 8-14 5 Sept. 11-17 1 6 Sept. 11-17 1 1 July 5-17 1 5 Sept. 11-17 1 1 July 5-10 26 3 3 May 18-24 17 6 June 6-12 5 July 4-Nov. 6 13 Oct. 11-23 1 1 July 25-Aug. 7 2 Aug. 26-May 29 3 1 May 2-22 5 July 11-17 2 Apr. 26-May 29 3 July 25-31 2 Apr. 26-May 29 3 July 19-24 1

Reports Received from June 26 to November 26, 1926-Continued

SMALLPOX-Continued

Place	Date	Cases	Deaths	Remarks
Canada—Continued.				
Ontario-Continued.		1		the state of the s
Peterboro	Sept. 1-30	. 10		
Toronto	July 18-Oct. 23	. 12		
Waterloo	July 18-24	. 6		
Saskatchewan			-	May 30-June 26, 1926: Cases, 16
Regina	July 4-Sept. 25	. 3		June 27-Oct. 30: Cases, 95.
Ceylon				Mar. 14-May 29, 1926; Cases, 44
Colombo	Sept. 19-Oct. 2	6		deaths, 3. Sept. 12-18, 1926 Cases, 2.
Chile:				
Antofagasta	June 6-12	1		
China:				The second second
Amoy	May 1-June 26	4	8	
Do	July 4-10	1		
Antung	May 17-June 19	. 5		
Do	July 4-18	2		
Canton	May 1-31	4	2	
Changsha	Aug. 8-14	1		
Chungking	May 2-Oct. 2			Present.
Foochow	do			Do.
Fushun	Sept. 12–18 May 2–June 26 June 27–July 3	1		
Hongkong	May 2-June 26	19	10	2-15
Do	June 27-July 3	1	1	
Manchuria	July 4-31	18		Railway stations.
An-shan	May 16-June 12	5		South Manchurian Railway.
Antung	May 16-June 19	5		
Changehun	May 16-June 26	6		Do.
Do	June 21-Sept. 11	2	*********	Do.
Dairen	Apr. 26-June 20	69	16	
Do	June 28-Aug. 8	5	3	_
Fushun	May 16-June 5	4		Do.
Harbin	May 14-June 30	21		Do.
Do	May 14-June 30 July 1-28 May 16-June 30 June 13-19 May 16-June 30	12		n.
Kai-yuan	May 16-June 30	10		Do.
Kungehuling	June 13-19	1		Do.
Liaoyang	May 16-June 30	4		Do.
Mukden	do	4		Do.
Penhsihu	May 16-June 19	4		Do.
Do	Aug. 8-Oct. 3	3		Do.
Ssupingal	May 16-June 30	2		Do.
Do	Aug. 1-7	1	********	Do.
Teshihchiao	May 16-June 30 Sept. 27-Oct. 3	2		Do.
Tieh-ling		1 3		Do.
Wa-feng-tien	do	, 1		Do.
Nanking.	Aug. 1-7	/ 1		
Shanghai	May 8-Sept. 18 May 2-June 26	10		Present.
Do	June 27-July 24	3	25	Cases, foreign: Deaths, popula- tion of international concession.
10	June 21-July 24		0	foreign and native.
Swatow	May 9-Sept. 25			Sporadic.
Tientsin			1	Reported by British municipal-
1 10Htatil	June 2-20	******		ity.
Wanshien.	May 1			Prevalent.
hosen	May 1		********	Mor 1 June 20 1006: Casse 887:
Fusan	May 1-31	1		Mar. 1-June 30, 1926: Cases, 667; deaths, 146. July 1-31, 1926:
Seishun	do	2	1	Cases, 82; deaths ,27.
gypt:				Cusco, oa, ucasas ,ar.
Alexandria	May 15-July 1	18	3	
Do.	Inly 22-Oct 7	13	6	
Cairo.	July 23-Oct. 7 Jan. 29-May 13	39	8	
stonia	van. ev May 10	99	0	May 1-June 30, 1926: Cases, 3.
rance		******	********	Mar 1-June 30, 1926, Cases, 5.
Paris	Sent 1-Oct 10	49	0	Mar. 1-June 30, 1926: Cases, 141; July 1-Aug. 31: Cases, 24.
St. Etienne	Sept. 1-Oct. 10 Apr. 18-June 15	43	3	July 1-Aug. at: Cases, 24.
Do	Sept. 16-30	2	1	AND THE RESERVE OF THE PARTY OF
rench Settlements in India	Mar. 7-June 26	282		15 TENED TO 1
Do	June 27-Aug. 28	68	282	1000
ermany:	June 21-Aug. 25	09	08	
	Oct 24-20	. ,		The same of the same of
Coblenz	Oct. 24-30 Mar. 1-June 30	9		
	Teslar 1 21			The state of the s
Do	July 1-31	20	1	The state of the s

Reports Received from June 26 to November 26, 1926-Continued

SMALLPOX-Continued

Nottingham	Place	Date	Cases	Deaths	Remarks
England and Wales Birmingham Birmingham Bradford. May 23-92 Bradford. May 19-106. Bradford. May 19-106. Bradford. May 23-92 Bradford. May 19-106. Bradford.	Great Britain:				
Bradford					May 23-June 26, 1926: Cases, 930
Bradford	Birmingham	Sept. 26-Oct. 2			June 27-Oct. 16, 1926: Case:
Hull	Bradford	May 23-29			1,638.
Hull	Do	Aug. 29-Sept. 4			
London	Hull	Oct. 17-23			
Newcastle-on-Tyne	London	Sept. 26-Oct. 16			
Do	Newcastle-on-Tyne	June 6-12	1		
Nottingham	Do	July 11-Oct. 30			At Gateshead, several cases re
Sheffield	Nottingham	May 2-June 5	7		ported.
Sheffield	Do	July 18-24	1		
Step	Sheffield	June 13-19			A CONTRACTOR OF THE PARTY OF TH
July 1-31	Do	July 4-Oct. 23	21		
July 1-31	South Shields	Oct. 3-9	1		
Athens July 1-31 71 6 6 Saloniki June 1-14 71 3 Saloniki June 1-14 71 3 Saloniki June 1-14 71 3 Saloniki June 1-20 2 Olis Southernals (Sty June 1-20 2 2 1 1 1 1 1 2 2 1 1				-	
Saloniki June 1-14 3 3 3 3 3 3 3 3 3		July 1-31	71	6	Including Piraus.
Gustemala City		June 1-14		3	
Guatemala City					The state of the s
May 2	Guetamela City	Tuna 1_90	1	9	
Calcutta		June 1-90			Apr 25-June 26, 1926 Cases
Calcutta	Dombass	May 9. Tune 96	990	194	54 951. Anothe 14 771 Inn
Calcutta		May 2-June 20			97 Sant 95 1996: Cance 97 061
Do. June 13-26. 24 18 18 19 19 19 19 19 19		June 27-Oct. V	118	180	27-Sept. 23, 1926. Cases, 21,061
Do. June 27-Oct. 2 45 42 18 10 10 10 10 10 10 10		Apr. 4-May 20			dentis, 8,231.
May 16-June 28		June 13-26	24		
Rangoon	Do	June 27-Oct. 2		42	The same and the same was
Rangoon	Karachi	May 16-June 26		18	V 1 1 2
Rangoon	Do	June 27-Oct. 2		7	Maria Company of the
Rangoon	Madras	May 16-June 26	7	4	The state was properly
Rangoon		June 27-Oct. 16	76	20	M. S. Waller and
May 9-June 26 2 2 3 3 3 4 5 5 5 5 5 5 5 5 5		May 9-June 26	10	5	
May 9-June 26 2 2 3 3 3 4 5 5 5 5 5 5 5 5 5	Do	July 4-Sept. 11		4	The state of the s
Saigon May 9-June 26. 2			-		1-
Baghdad		May 9-June 96	2		
Bashdad		may o stille so	-		
Do	Poshdod	do		9	The second secon
Do	Dagnuau	Tuly 4 Cent 11	9	1	The state of the s
Do		July 4-Sept. 11			
Catania		Apr. 18-June 22		20	Line Charles
Apr. 25-June 26, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) Apr. 11-June 25, 1926; Cases, 2 (Reported as alastrim.) Apr. 11-June 25, 1926; Cases, 2 June 27-Aug. 28, 1926; Cases, 3 June 27-Aug. 28, 1926; Cases, 4 June 27-Aug. 28, 1926; Cases, 5 June 27-Aug. 29, 1926; Cases, 5 June 27-Aug. 29, 1926; Cases, 5 June 27-Aug. 29, 192		Aug. 15-21	1		34 00 Ton- 00 1000. Clause 04
Apr. 25-June 26, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) Apr. 11-June 25, 1926; Cases, 2 (Reported as alastrim.) Apr. 11-June 25, 1926; Cases, 2 June 27-Aug. 28, 1926; Cases, 3 June 27-Aug. 28, 1926; Cases, 4 June 27-Aug. 28, 1926; Cases, 5 June 27-Aug. 29, 1926; Cases, 5 June 27-Aug. 29, 1926; Cases, 5 June 27-Aug. 29, 192	taly				Mar. 28-June 20, 1920. Cases, 54
Apr. 25-June 26, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) Apr. 11-June 25, 1926; Cases, 2 (Reported as alastrim.) Apr. 11-June 25, 1926; Cases, 2 June 27-Aug. 28, 1926; Cases, 3 June 27-Aug. 28, 1926; Cases, 4 June 27-Aug. 28, 1926; Cases, 5 June 27-Aug. 29, 1926; Cases, 5 June 27-Aug. 29, 1926; Cases, 5 June 27-Aug. 29, 192	Catania	Aug. 9-15	2		June 27-July 31, 1929; Cases, 11
Apr. 25-June 26, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) June 27-Oct. 30, 1926; Cases, 2 (Reported as alastrim.) June 27-Aug. 28, 1926; Cases, 2 June 28-June 28, 2 June 27-Aug. 28, 1926; Cases, 2 June 27-Aug. 29, 1926;	Rome	June 14-20	4		Entire consular district, includ
Comparison Com				100	ing island of Sardinia.
Nay 30 - June 5	amaica				Apr. 25-June 26, 1926; Cases, 201
Nay 30 - June 5	_			S 8 20 14	(Reported as alastrum.)
Nay 36-June 5	Do				June 27-Oct. 30, 1926: Cases, 227
Nay 36-June 5		1			(Reported as alastrim.)
Nay 36-June 5	apan				Apr. 11-June 26, 1926: Cases, 68
Do	Parties I and the	The state of the state of		200	June 27-Aug. 28, 1926: Cases
Do	Kobe	May 30-June 5	1		70.
Do	Nagoya	May 16-June 22		1	
Tawan 181and	Do	July 4-10			Control of the second
De. July 11-Aug. 10. 23 Do. July 11-Aug. 10. 2 Tokyo. June 26-July 17. 3 ava: Batavia. May 2-8. 2 De. July 24-Oct. 9. 16 East Java and Madura Apr. 11-July 3. 100 Do. July 4-Aug. 7. 43 Malang. Apr. 4-10. 6 Surabaya. May 16-22. 14 Do. July 18-Sept. 25. 143 Afr. 1-June 30, 1926: Cases, 5 Mexico. Feb. June 28-Sept. 27. 8 Mexico City. May 16-June 5. 3 Mexico City. May 16-June 5. 3 Mexico City. May 16-June 5. 3 Saltillo. July 23-Sept. 25. 6 Saltillo. July 18-26. 7 San Antonio de Arenales June 13-26. 7 Do. June 29-Sept. 27. 8 San Antonio de Arenales June 30. 120 miles from Chibe bus.		May 11-20	24		
Do.	Do	June 1-20	23		
Tokyo		July 11-Aug. 10.	2		
Tokohama		June 26-July 17			
Batavia	Yokohama	May 2-8			
Batavia	ara.	May 2 december	-		The state of the s
De	Detavia	May 15-Trung 25	9		Province
Atvia	Datavilla	Inly 24 Oct 0			
Atvia	Fact Iowa and Madura	July 24-Oct. 9			D0.
Atvia	East Java and Madura	Apr. 11-July a			
Atvia	D0	July 4-Aug. 7		1	V-4-1
Atvia	Malang	Apr. 4-10		1	Interior.
Atvia	Surabaya	May 16-22		1	
Akvis. Apr. 1-June 30, 1626: Cases, 5 Aguascalientes June 13-26. 3 Guadalajara June 8-14. 2 Do. June 29-Sept. 27. 8 Mexico City May 16-June 5. 3 Including municipalities in Fe Constitution of the series of t		July 18-Sept. 25	143	8	
Do. June 28-5ept. 27. 8	atvia				Apr. 1-June 30 ,1926: Cases, 5.
Do. June 29-Sept. 27. 8 Mexico City May 16-June 5. 3 Including municipalities in Fe eral District.	dexico	-			Feb. 1-June 30, 1926: Deaths,
Do. June 29-Sept. 27. 8 Mexico City May 16-June 5. 3 Including municipalities in Fe eral District.	Aguascalientes	June 13-26		3	1,525.
Do. June 29-Sept. 27. 8 May 16-June 5. 3 Including municipalities in Fe eral District.	Guadalajara	June 8-14		2	
Do. July 25-Sept. 25. 6 Including minnespairtes in Ferral District. Saltillio. July 18-24. 1 San Antonio de Arenales Jan. 1-June 30. 1 Do. July 4-Nov 6 21 District. Do. Present: 100 miles from Chiba	Do	June 29-Sept. 27		8	
Do. July 25-Sept. 25 6 eral District. Do.		May 16-June 5	3	9	Including municipalities in Fed
Do.	mento City	nral to arms a	9		eral District
Saltillo July 18-24 1 San Antonio de Arenales Jan. 1-June 30 Present: 100 miles from Chibe Do June 13-26 7 Luix 4-Nov 6 21	Do	Toly 98 Cent 98			Do District.
San Antonio de Arenales Jan. 1-June 30. Present: 100 miles from Chibe hua.		July 19 04	0	********	10.
Do July 4-Nov 6 21	San Antonio de Assessa	July 10-21		1	December 100 million from Chillian
Do July 4-Nov 6 21	San Antonio de Arenales	Jan. 1-June 30			
July 4-Nov. 6	San Luis Potosi	June 13-26		7	nua.
	Torres	July 4-Nov. 6		21	
Do	Torreon.	May 1-June 30		17	

Reports Received from June 26 to November 26, 1926-Continued

SMALLPOX-Continued

Place	Date	Cases	Deaths	Remarks
Netherlands:				
Amsterdam	July 18-24		9	
Nigeria				Feb. 1-June 30, 1926: Cases, 521 deaths, 49.
Persia:				deaths, 49.
Teheran	Apr. 21-July 23		10	
Peru:			1	
Arequipa	June 1-30		1	Mar 98 Mar 1 1006; Cases 10
Poland				Mar. 28-May 1, 1926: Cases, 12 deaths, 1. June 27-Sept. 11 1926: Cases, 416; deaths, 1.
Portugal:	4 00 Y 10			
Lisbon	Apr. 26-June 19	10 26	3 6	and the same of th
Oporto	May 22-June 5	4		
Do	July 11-Oct. 23 May 23-June 5 July 11-24	2		Maria Landon
Russia	***************************************			Jan. 1-Apr. 30, 1926: Cases, 2,526
Siam				Apr. 1-Oct. 2, 1926: Cases, 590
Bangkok	May 2-June 12	23	20	deaths, 236.
Do	July 4-Oct. 2	11	60	Jan. 1-June 30, 1926: Deaths, 96
SpainValencia	Aug. 22-Oct. 23	3		Jan. 1 June 50, 1920. 1 Cattles, 90
Straits Settlements:				Lance Halls See Land
Singapore	Apr. 25-May 1 July 11-17	1		
Do	July 11-17	1		
Bumatra:	1 00 00			One and modeleld
Medan	Aug. 22-28	*******		One case varioloid.
Bwitzerland: Lucerne Canton	June 1-30	1	La cala	and the second
Do	July 1-31	2		The second second
Tripolitania	Apr. 1-June 30	12		and the same is the same
Tunisia				Apr. 1-June 30, 1926: Cases, 17 July 1-Sept. 30, 1926: Cases, 38
Tunis	Aug. 11-30	2		July 1-Sept. 30, 1926: Cases, 38
Union of South Africa	June 1-30	8	1	Outbreaks.
Cape Province	June 20-28 Aug. 15-21 May 23-29 May 30-June 5	*******		Do.
Idutya district	May 23-29			Do.
Natal	May 30-June 5			Do.
Orange Free State	June 20-Aug. 25			Do.
Transvaal		••••••		June 6-12, 1926: Outbreaks in Pietersburg and Rustenburg districts.
Do	Aug. 29-Sept. 4	1		Native.
Johannesburg	May 9-June 12	5		
Do Pretoria	July 11-Sept. 25 Sept. 19-25	4		
Yugoslavia	Sept. 19-20			Apr. 15-30, 1926: Cases, 2; deaths
Zagreb	Aug. 9-15	2		1.
On vessels:		100		
S. S. Karapara				At Zanzibar, June 7, 1926: One
				case of smallpox landed. At Durban, Union of South Africa June 16, 1926: One suspect case
Steamship	July 2	1		landed.
breamsurp	July 2			Vessel from Glasgow, Scotland, for Canada. Patient from Glasgow; removed at quaran- tine on outward voyage.
	TYPHUS	FEVE	R	
Algeria				July 21-Sept. 20, 1926: Cases, 34;
Alalam	Man 01 June 00			deaths, 1.
Algiers	May 21-June 30 July 21-Aug. 31	7 3	1	
Argentina:	suly at-Aug. 31	3		
Rosario	Feb. 1-28	2		Mark and I do to
Bolivia:				
La Paz	June 1-30		1	THE RESERVE OF THE PARTY OF THE
Do Bulgaria	Aug. 1-31	9	1	Mar. 1-June 30, 1926: Cases, 87;
	*****************	******	*********	deaths. 14.

Reports Received from June 26 to November 26, 1926—Continued

TYPHUS FEVER-Continued

Place	Date	Cases	Deaths	Remarks
Chile:		-		
Antofagasta	May 23-June 26 June 27-July 3	4		
Do	June 27-July 3	1		
Concepcion	June 1-7 Apr. 29-May 5		. 1	
Valparaiso	Apr. 29-May 5		. 1	
Do	Aug. 14-Sept. 18	7		
China:	T 14 07	-		
Antung	June 14-27	37	1 1	
Do	June 28-Oct. 10 May 1-31	1	1	
Canton.	Aug. 29-Sept. 4	1	**********	Descent
Chungking Ichang	Aug. 29-Sept. 4	*******	1	Present.
ICHRING		******		Reported May 1, 1926. Occur- ring among troops.
Wanshien				Present among troops. May 1.
***************************************				Present among troops, May 1, 1926. Locality in Chingking
				consular district
Chosen				Feb. 1-June 30, 1926: Cases, 1,005; deaths, 112. July 1-31, 1926: Cases, 37; deaths, 6.
Chemulpo	May 1-June 30 July 1-31	38	2	1.005; deaths, 112. July 1-31.
Do	July 1-31	7	2	1926: Cases, 37; deaths, 6,
Gensan	June 1-30	1		
Seoul	do	8	3	
Do	July 1-Aug. 31	8		
Czechoslovakia				Jan. 1-June 30, 1926: Cases, 156;
TALL NO. 1				deaths, 6.
Egypt:	T-1-10 A 10			
Alexandria	July 16-Aug. 19	3		The state of the s
Do	Oct. 1-7	1	27	
Cairo	Jan. 29-May 10	89	21	
Do	June 4-24	1	1	
Do	July 9-Oct 7	5	i	
France	Jan. 29-May 13 July 23-Aug. 5 June 4-24. July 9-Oct. 7 Aug. 1-31	5		
Great Britain: Scotland—				turn turns
GlasgowGreece:	July 30-Aug. 21	9	1	
Athens	Sept. 1-30		17	Including Piræus.
Hungary	May 1-June 30	3		
Ireland (Irish Free State):				4.4
Cobh (Queenstown)	May 30-June 5	1		The state of
Do	June 27-Aug. 23	2	1	1
Cork	June 5	1		
Cork County	Oct. 17-23	1		
Kerr County—	T 00 T.10			
Dingle	June 27-July 3	1		14 - 00 15 - 0 1000 G 0
taly	C4 10 10	·····i		Mar. 28-May 8, 1926: Cases, 3.
Palermo	Sept. 12-18	1		M 00 May 00 1000, Cases 97
Latvia				Mar. 28-May 29, 1926: Cases, 37. May 1-June 30, 1926: Cases, 19. Aug. 1-31, 1926: Cases, 2.
JIM V 115		*******		May 1-June 30, 1926: Cases, 19.
Lithuania			********	Mar. 1-June 30, 1926: Cases, 199; deaths, 22. July 1-Aug. 31, 1926: Cases, 23. Feb. 1-June 30, 1926: Deaths, 189.
Mexico				Feb 1-June 30 1026: Deaths 190
Durango	July 1-31		1	1 co. 1 vulie ou, 1920. Deatils, 189.
Mexico City	May 16-June 5	20	1	Including municipalities in Federal District.
Do	June 13-19	9		Do.
Do	June 13-19 July 25-31 Aug. 15-Oct. 30	3		Do.
DoSan Luis Potosi	Aug. 15-Oct. 30	69		Do.
	June 13-26			Present, city and country.
Morocco				Present, city and country. Mar. 1-June 30, 1926: Cases, 426.
Norway:				July 1-Aug. 31, 1926: Cases, 20.
Stavanger	Sept. 6-12	1		
Palestine				Mar. 1-June 30, 1926; Cases, 14;
Gaza	July 6-12	1		deaths, 1. Aug. 10-Oct. 11, 1926: Cases, 12.
Haifa	July 13-Aug. 30	5	*********	1926: Cases, 12.
Halalal.	Aug. 17-23	1		
	June 15-28	5	*********	
Jaffa district	Sept 28-Oct 4	1		
Do	0			
Jerusalem.	Sept. 28-Oct. 4 Sept. 14-27	2		
Jerusalem	July 13-Aug. 2	2		
Journalem Majdal district Nazareth district	July 13-Aug. 2do	3		
Jerusalem	July 13-Aug. 2	2		

Reports Received from June 26 to November 26, 1926-Continued

TYPHUS FEVER-Continued

Place	Date	Cases	Deaths	Remarks
Persia:	Mary 20 June 20		1	
Peru:	May 25-valle 22			
Arequipa	Jan. 1-31		2	
Poland				Mar. 28-June 26, 1926: Cases 1,272; deaths, 85. June 27- Sept. 18, 1926: Cases, 294 deaths, 22.
Rumania				Mar. 1-June 30, 1926: Cases, 899 deaths, 83. July 1-31, 1926 Cases, 65; deaths, 9.
Russia				Jan. 1-Apr. 30,1926: Cases, 18,647.
Russia Spain	Jan. 1-June 30	******	13	
Tunisia	***************************************			Apr. 1-June 30, 1926: Cases, 110. July 1-Sept. 20, 1926: Cases,
Tunis	June 11-30	3	********	101Sept. 20, 1926: Cases,
Turkey:				101.
Constantinople	June 16-22	1		
Union of South Africa			*******	Apr. 1-May 31, 1926: Cases, 153;
Do				deaths, 19. July 1-31, 1926: Cases, 90; deaths, 17.
Cape Province				Apr. 1-June 30, 1926: Cases, 202; deaths, 24, native. July 1-31, 1926: Cases, 58; deaths, 15.
Glengray district Grahamstown	June 27-July 3			Outbreaks.
Grahamstown	do	1		
Natal Durban				Apr. 1-June 30, 1926: Cases, 28. July 1-31, 1926: Cases, 23; deaths, 2.
Orange Free State				Apr. 1-June 30, 1926; Cases, 24, deaths, 4. July 1-31, 1926;
Transvaal				Apr. 1-June 30, 1926: Cases, 10; deaths, 5. July 1-31, 1926:
				Cases, 2. Aug. 15-21, 1926:
Johannesburg	Aug. 29-Sept. 4	1		Outbreaks.
Walkkerstroom dis- trict.	June 20-20	*******		Outbreaks.
Wolmaransstad dis- trict.	do			De.
Yugoslavia Zabreb	May 15-21	1		Apr. 15-June 30, 1926: Cases, 48; deaths, 7. July 1-Aug. 31, 1926: Cases, 3; deaths, 1.
	YELLO	W FEVI	ER	
D-sell.	Deposted Torse 24		- 1	Descrit in Interior of Bubbs

Bahia Do	Reported June 26 May 9-June 26 July 4-10 Apr. 1-June 30 June 1-30	10 1 8	7		interior of and Minas.	Bahia,
-------------	---	--------------	---	--	---------------------------	--------